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<211> 345
<212> DNA
<213> Homo sapiens

<400> 1956

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aaaagcttta ctcacttatc tgattaaaat gtttaataaa gctttaagta tttgctggtt      240
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<212>   DNA
<213>   Homo sapiens

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<213>   Homo sapiens

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agaacagtct tatctgcaat atctacccac ttctaaacaa acacatctat agaaatccat   180

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atattctgga acacacttca aaattatcca cttgatgtca gggatataac cataggggag   300

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<212>   DNA
<213>   Homo sapiens

<220>
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<223>   n=a,t,g or c

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taataaaaca cccacacaat gacaagaatg agactttaat cagttttaag tggagtttat   180

aacactaagn gataaagggt tgttaacaaa cacaataaca aatggncatc tgattgggat   240

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<213>   Homo sapiens

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<223>   n=a,t,g or c

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tcctccagac gcagtagcag ccncgntggc nccaaagtcc caacggccac ggctaacaat   180

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<210>    1961
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<212>    DNA
<213>    Homo sapiens

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<211>    311
<212>    DNA
<213>    Homo sapiens

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<212>    DNA
<213>    Homo sapiens

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<213>    Homo sapiens

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<210>    1965
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<212>  DNA
<213>  Homo sapiens

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<223>  n=a,t,g or c

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<210>  1966
<211>  325
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<213>  Homo sapiens

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<210>  1968
<211>  399
<212>  DNA
<213>  Homo sapiens

<400>  1968
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<210>  1969
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<212>  DNA
<213>  Homo sapiens

<220>
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<223>  n=a,t,g or c

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1004

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atccaattta gagaaaaaat tctgtaataa gttcaaatac caaagcgtaa agatgatgta      120
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<213> Homo sapiens

<400> 1970
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1005

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1006

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<213> Homo sapiens

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<210> 1972
<211> 1071
<212> DNA
<213> Homo sapiens

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<210> 1973
<211> 381
<212> DNA
<213> Homo sapiens

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<400> 1973
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<210> 1974
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<213> Homo sapiens

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<400> 1975
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<213> Homo sapiens

<400> 1976

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1009

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1010

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1011

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<212> DNA
<213> Homo sapiens

<400> 1977

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cttacgcttg gcatcttcag aatgcttttc tagcattaag agatgtaaat gataaaggaa    2100
ttattgtatg aaatattaca aagcgtagac tatgcattgt tattcattat aatatttttt    2160
gctgtcataa tcgcctcata aagacaggtt tcaaccatta aaatatgttc ttcctt        2216
```

<210> 1978
<211> 291
<212> DNA
<213> Homo sapiens

<400> 1978

```
tacaggtcaa aaaatgtaga aaatatcatt ttatattccc taatctatat agctgaaaaa      60
gggttgtatt ttcttagctg aatatgaata cctcttaaac ataaattagt tcctctccag     120
tgaagtatct tattttacca atccatttca ggaaagaggt tctgctgccg taaagcgaga     180
aattttattt ttatcccttt tatttgaatg agagatttga aaatcgaatt atgtaaatat     240
ttcaatgcat ctgctattat tttgtggagt ttattaaact actttaaaaa a            291
```

<210> 1979
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 1979
```
ntaatactga gagcggaaga ttttttaaa gagatatggt agtttaaata ggtttgttta      60
aagaactctt gggaaatttc ttaacaaatt gtaattgttt ttataaacct tcctacagag     120
ttgtgtacca ttcatcatca ccatcattta atatctgtaa gtgcccagaa ggtacaaggt     180
gctatacagc cgttaaacac cccctccctg caactgttta aaattagaat agatttttgc     240
atcaaccact gctagaagct ttccccacct aggtggcctg caagggcct gcattcccaa     300
catcccatta catgtttccc actccagaaa gtctctgggg tttattccag cntttttatc     360
ntggacgtgt cccntttcac cccctgggtt tgggttgggt tgggtttgtt ttttaaantc     420
aggaaagttt tcagggattc aaagggggtc nggacntttt ttaacccggc ggagtacagg     480
tccntttttt tgctanggtt ttgttgtggt acaggnaacc ccanttggcc nttagtgtgt     540
gggtagttgt                                                            550
```

<210> 1980
<211> 123
<212> DNA
<213> Homo sapiens

<400> 1980
```
gcttagagaa aatgttttat tttcattagt tgacaactag ttgttcagtt gaatggtaag      60
tttcacactg catcctaaaa taagacagat actctgctgg caagtagaaa atagactaat     120
ttc                                                                   123
```

<210> 1981
<211> 298
<212> DNA
<213> Homo sapiens

<400> 1981
```
ggggggtggca gtgcacttta ttaacaaaca aaacagtacc atacaggcaa aatcttactt      60
cagtggcaaa gcacacacat aggtatactc caacgtgtag cactggggca aacttcagac     120
atggaacatt aggcaccaag ttcacaatca cactaaacat agttcacaat ccttcaatcc     180
atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt     240
tttaaaatct aattcttggc ctaactgtgg agtggggctg actcagcctt cagaactg       298
```

<210> 1982
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 1982
```
tttttnntt tgtggatttt ccttttaatg caaaatgttg caatacaaaa caatgtggag      60
aaagcctgtt cctcaggcac tgaagggagg agtgaggaag agaggacaga gctggacgtc     120
```

1013

```
tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct      180
gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt      240
tgacatgggg caggagagca ggagggaaca ttgagggttt tgactcttcg ggctctaaaa      300
g                                                                     301
```

```
<210>   1983
<211>   2015
<212>   DNA
<213>   Homo sapiens

<400>   1983
cggaggcacg gaagatgagg aagatgatca ggaggatgat gaaggtgaag agggagatga      60
agacgatgac gacgatggct ctgaggggac ctcaggggct gccgagctgg ggggcgctc       120
aagctgcgag gatccgggct gcccgcgaga cgaggagcgg gcgccaggat ggggtcgatg      180
aagtccaagt tcctccaggt cggaggcaat acattctcaa aaactgaaac cagcgccagc      240
ccacactgtc ctgtgtacgt gccggatccc acatccacca tcaagccggg gcctaatagc      300
cacaacagca acacaccagg aatcagggag gcaggctctg aggacatcat cgtggttgcc      360
ctgtatgatt acgaggccat tcaccacgaa gacctcagct tccagaaggg ggaccagatg      420
gtggtcctag aggaatccgg ggagtggtgg aaggctcgat ccctggccac ccggaaggag      480
ggctacatcc caagcaacta tgtcgcccgc gttgactctc tggagacaga ggagtggttt      540
ttcaagggca tcagccggaa ggacgcagag cgccaactgc tggctcccgg caacatgctg      600
ggctccttca tgatccggga tagcgagacc actaaaggaa gctactcttt gtccgtgcga      660
gactacgacc ctcggcaggg agataccgtg aaacattaca agatccggac cctggacaac      720
gggggcttct acatatcccc ccgaagcacc ttcagcactc tgcaggagct ggtggaccac      780
tacaagaagg ggaacgacgg gctctgccag aaactgtcgg tgccctgcat gtcttccaag      840
ccccagaagc cttgggagaa agatgcctgg gagatccctc gggaatccct caagctggag      900
aagaaacttg gagctgggca gtttggggaa gtctggatgg ccacctacaa caagcacacc      960
aaggtggcag tgaagacgat gaagccaggg agcatgtcgg tggaggcctt cctggcagag     1020
gccaacgtga tgaaaactct gcagcatgac aagctggtca aacttcatgc ggtggtcacc     1080
aaggagccca tctacatcat cacggagttc atggccaaag gaagcttgct ggactttctg     1140
aaaagtgatg agggcagcaa gcagccattg ccaaaactca ttgacttctc agcccagatt     1200
gcagaaggca tggccttcat cgagcagagg aactacatcc accgagacct ccgagctgcc     1260
aacatcttgg tctctgcatc cctggtgtgt aagattgctg actttggcct ggcccgggtc     1320
attgaggaca cgagtacac ggctcgggaa ggggccaagt tccccatcaa gtggacagct      1380
cctgaagcca tcaactttgg ctccttcacc atcaagtcag acgtctggtc ctttggtatc     1440
ctgctgatgg agatcgtcac ctacggccgg atcccttacc caggatgtc aaaccctgaa      1500
gtgatccgag ctctggagcg tggataccgg atgcctcgcc cagagaactg cccagaggag     1560
ctctacaaca tcatgatgcg ctgctggaaa aaccgtccgg aggagcggcc gaccttcgaa     1620
tacatccaga gtgtgctgga tgacttctac acggccacag agagccagta ccaacagcag     1680
ccatgatagg gaggaccagg gcaggcagg gggtgcccag gtggtggctc gaaggtggct      1740
ccagcaccat ccgccagggc ccacacccccc ttcctactcc cagacaccca ccctcgcttc     1800
agccacagtt tcctcatctg tccagtgggt aggttggact ggaaaatctc tttttgactc     1860
ttgcaatcca caatctgaca ttctcaggaa gcccccaagt tgatatttct atttcctgga     1920
atggttggat tttagttaca gctgtgattt ggaagggaaa ctttcaaaat agtgaaatga     1980
atatttaaat aaaagatata aatgcaagtc ttacg                               2015
```

```
<210>   1984
<211>   262
<212>   DNA
<213>   Homo sapiens
```

<400> 1984

```
taacaaatgg atgactttat tacgagagaa ggacaagact gatgtttacc ttggtcaaac    60
catccaggaa aacaaagcac acagacttat agaatacttt ggtttaaaaa ttattcataa   120
tatcaatatt aaacctgatg tttaaagaac ctaatgagaa atatagtgta aaaaacaaac   180
catgaaaaca caagtttgca tagatgaatt aatgtagatg tacaattggc atttaaaaaa   240
ggaggtttgc gttttgggag tg                                            262
```

<210>   1985
<211>   387
<212>   DNA
<213>   Homo sapiens

<400>   1985

```
ttttatctgc acatactaag ttgctttat taatccagaa cggcatgcta cagatactgt    60
acagcatgaa catttattca ttacaaaaat ggcttccaaa ccattaaaaa tgaacttgga   120
ataagagcat aaaacggaac agtaacatca caactgttag gaaacattca aagtattcac   180
aaaaaatgtt atagttagca ttttaataaa ccagagaaaa atcggagaca gttttacaat   240
cgcttcatgt caactacaat ggcactgaat gaacaggttt cagctttata cagcattttg   300
caacatcaac atgcctaggt ttttttatt tttaaagtct gctgcctact cgtatgtaat   360
atgtgtacat aaaagcggcc tgggttt                                      387
```

<210>   1986
<211>   374
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   1986

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aattttaata gataaatgta aatttgactg tgtaatacca aatggaaagt agctgaacca    60
cacagagaaa acaaggcttt acgtatctcc aaatttagct gttttacaat aaacaaagta   120
ttagaacatg tgaatattag aacctccttc taactggaaa gatttcttca gtaagctata   180
accgaaatta atataaacta aaattanaat ttctaaaata agaattaaca aaccaaattt   240
aagtatttt agtcagagat tgaaacaaaa taagcacagt gatctagaaa ccaaatatac   300
tggnttatgt aactatcgta tcaaggtaca gacattcttc acatggctac aagggttagc   360
atttctcctc gtgg                                                     374
```

<210>   1987
<211>   411
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   1987

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tttntntgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga    60
aancctgctg tgtgccaagc ctttccccaa aggaggatat cagtgnnnna gnaagtctca   120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga   180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt   240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc   300
canaantcac tnggnacttn ccaagggttn cnccttgttg ggnttngggg ggtnnacagg   360
ggncccggca nttnatgcnc caagtttcng ggcaaanatt tcttttttcc c            411
```

<210>   1988
<211>   492

1015

<212> DNA
<213> Homo sapiens

<400> 1988

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tggtatagct catgagtctc acacccaggt gaattcccta gtgctatagg atttgattca      60
tttatggtct cccattattt atactgtatt tgtttttcat tgattttatt ctttgcagtc     120
ggatacttct ggagactatg aaatcacact cttaaaaatc tgtggtggag atgactgaac     180
caagaagata atctccaaag gtccacgatg ggcttttcca acagctccac cttacttctt     240
ctcatactat ttaagagaac aagcaaatat aaacagcaac ttgtgttcct aacaggaatt     300
ttcattgttc tataacaaca acaacaaaag cgattattat tttagagcat ctcatttata     360
atgtagcagc tcataaatga aattgaaaat ggtattaaag atctgcaact actatccaac     420
ttatatttct gctttcaaag ttaagaatct ttatagttct actccattaa atataaagca     480
agataataaa ac                                                          492
```

<210> 1989
<211> 594
<212> DNA
<213> Homo sapiens

<400> 1989

```
gtcactcctg ccttcaccat gaagtccagc ggcctcttcc ccttcctggt gctgcttgcc      60
ctgggaactc tggcaccttg ggctgtggaa ggctctggaa agtccttcaa agctggagtc     120
tgtcctccta agaaatctgc ccagtgcctt agatacaaga aacctgagtg ccagagtgac     180
tggcagtgtc cagggaagaa gagatgttgt cctgacactt gtggcatcaa atgcctggat     240
cctgttgaca ccccaaaccc aacaaggagg aagcctggga agtgcccagt gacttatggc     300
caatgtttga tgcttaaccc ccccaatttc tgtgagatgg atggccagtg caagcgtgac     360
ttgaagtgtt gcatgggcat gtgtgggaaa tcctgcgttt cccctgtgaa agcttgattc     420
ctgccatatg gaggaggctc tggagtcctg ctctgtgtgg tccaggtcct ttccaccctg     480
agacttggct ccaccactga tatcctcctt tggggaaagg cttggcacac agcaggcttt     540
caagaagtgc cagttgatca atgaataaat aaacgagcct atttctcttt gcac           594
```

<210> 1990
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 1990

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tagccctgaa ccaggagcaa cagggtcagc ttctggaggt tggttggaac aatacggcaa      60
gtgctcgaaa tgacatccag agaaatctaa actgctgtgg gttccgaagt gttaacccaa     120
atgacacctg tctggctagc tgtgttaaaa gtgaccactc gtgctcgcca tgtgctccaa     180
tcataggaga atatgctgga gaggttttga gatttgttgg tggcattggc ctgttcttca     240
gttttacaga gatcctgggt gtttggctga cctacagata caggaaccag aaagacccc      300
gcgcgaatcc tagtgcattc ctttgatgag aaaacaagga agatttcctt tcgtattatg     360
atcttgttca ctttctgtaa ttttctgtta agctccattt gccagtttaa gggaaggaaa     420
cactattctg ggaaagtacc ttattgatag tgggattatt atatttttac ttctatgttt     480
ctctacatgt tttttttttt cccntgctga aaatatttgn aacttgtggn ctccgaggtc     540
cgtggccccg ganttactgt attcattgtc gggantttcn ctgtggcctt ctaggatttt     600
acccgag                                                                607
```

<210> 1991
<211> 418
<212> DNA
<213> Homo sapiens

<400> 1991

```
ggttttgaac ctttaataaa agtaaaaaat gaatgcaaaa agaacacaat gttgaaaact    60
tagtatgaat gtgaacctca ctagatgttc aaatctggta gagtgcaaat tttgttcata   120
ctattttaca tttttacaaa ctcaaatcac tttggttcat atattttcta taaactattg   180
gcaaaaaaat cctcaaattt acattctttt ggctacatta tttctaacag atatagattt   240
acttccggtt tcggagagaa agacttattg tgtgtgcgtg atcaagtctg ttttaaagat   300
tcactcgctg ctttcatcta ataacttctg gtttttcata aaatgctgac atcttcattg   360
gaaatttttt tcatgtaact gttttcattt tcagaaaata tataaggggg tcattccg     418
```

<210> 1992
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 1992

```
ggttccttta agcttatttta atatttgaaa tcttatttnc tatttnccca gaccccagaa    60
aacagaaagt ttttagatga ccaatatttt gttccagaaa catacagcct tatcagctaa   120
ttgcataaaa gagcctattt tacaaaggta catctggata attaggaaca ataaagtnct   180
tttagggcat ttgcaaaatg tggatcagta aaaatacatg gattattcaa taaagttttt   240
ttaa                                                                244
```

<210> 1993
<211> 3038
<212> DNA
<213> Homo sapiens

<400> 1993

```
gcgtgaggaa agtaccaaac agcagcggag ttttaaactt taaatagaca ggtctgagtg    60
cctgaacttg cctttcatt ttacttcatc ctccaaggag ttcaatcact tggcgtgact   120
tcactacttt taagcaaaag agtggtgccc aggcaacatg ggtgactgga gcgccttagg   180
caaactcctt gacaaggttc aagcctactc aactgctgga gggaaggtgt ggctgtcagt   240
acttttcatt ttccgaatcc tgctgctggg gacagcggtt gagtcagcct ggggagatga   300
gcagtctgcc tttcgttgta acactcagca acctggttgt gaaaatgtct gctatgacaa   360
gtctttccca atctctcatg tgcgcttctg ggtcctgcag atcatatttg tgtctgtacc   420
cacactcttg tacctggctc atgtgttcta tgtgatgcga aaggaagaga aactgaacaa   480
gaaagaggaa gaactcaagg ttgcccaaac tgatggtgtc aatgtggaca tgcacttgaa   540
gcagattgag ataaagaagt tcaagtacgg tattgaagag catggtaagg tgaaaatgcg   600
aggggggttg ctgcgaacct acatcatcag tatcctcttc aagtctatct ttgaggtggc   660
cttcttgctg atccagtggt acatctatgg attcagcttg agtgctgttt acacttgcaa   720
aagagatccc tgcccacatc aggtggactg tttcctctct cgccccacgg agaaaaccat   780
cttcatcatc ttcatgctgg tggtgtcctt ggtgtccctg gccttgaata tcattgaact   840
cttctatgtt ttcttcaagg gcgttaagga tcgggttaag ggaaagagcg acccttacca   900
tgcgaccagt ggtgcgctga gccctgccaa agactgtggg tctcaaaaat atgcttattt   960
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aaactgggct aattacagtg cagaacaaaa tcgaatgggg caggcgggaa gcaccatctc  1140
taactcccat gcacagcctt ttgatttccc cgatgataac cagaattcta aaaaactagc  1200
tgctggacat gaattacagc cactagccat tgtggaccag cgaccttcaa gcagagccag  1260
cagtcgtgcc agcagcagac ctcggcctga tgacctggag atctagatac aggcttgaaa  1320
```

1017

```
gcatcaagat tccactcaat tgtggagaag aaaaaaggtg ctgtagaaag tgcaccaggt     1380
gttaattttg atccggtgga ggtggtactc aacagcctta ttcatgaggc ttagaaaaca     1440
caaagacatt agaataccta ggttcactgg gggtgtatgg ggtagatggg tggagaggga     1500
ggggataaga gaggtgcatg ttggtattta aagtagtgga ttcaaagaac ttagattata     1560
aataagagtt ccattaggtg atacatagat aagggctttt tctccccgca aacaccccta     1620
agaatggttc tgtgtatgtg aatgagcggg tggtaattgt ggctaaatat ttttgtttta     1680
ccaagaaact gaaataattc tggccaggaa taaatacttc ctgaacatct taggtctttt     1740
caacaagaaa aagacagagg attgtcctta agtccctgct aaaacattcc attgttaaaa     1800
tttgcacttt gaaggtaagc tttctaggcc tgaccctcca ggtgtcaatg gacttgtgct     1860
actatatttt tttattcttg gtatcagttt aaaattcaga caaggcccac agaataagat     1920
tttccatgca tttgcaaata cgtatattct ttttccatcc acttgcacaa tatcattacc     1980
atcacttttt catcattcct cagctactac tcacattcat ttaatggttt ctgtaaacat     2040
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aagccatgct taatatttaa caatcactta tatgtgtgtc gaagagtttg ttttgtttgt     2160
catgtattgg tacaagcaga tacagtataa actcacaaac acagatttga aaataatgca     2220
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tttacattat ataattcctg ctgtggcaag taaagcacac ttttttttc tcctaaaatg     2340
tttttccctg tgtatcctat tatggatact ggttttgtta attatgattc tttattttct     2400
ctcctttttt taggatatag cagtaatgct attactgaaa tgaatttcct ttttctgaaa     2460
tgtaatcatt gatgcttgaa tgatagaatt ttagtactgt aaacaggctt tagtcattaa     2520
tgtgagagac ttagaaaaaa tgcttagagt ggactattaa atgtgcctaa atgaattttg     2580
cagtaactgg tattcttggg ttttcctact taatacacag taattcagaa cttgtattct     2640
attatgagtt tagcagtctt ttggagtgac cagcaacttt gatgtttgca ctaagatttt     2700
atttggaatg caagagaggt tgaaagagga ttcagtagta cacatacaac taatttattt     2760
gaactatatg ttgaagacat ctaccagttt ctccaaatgc cttttttaaa actcatcaca     2820
gaagattggt gaaaatgctg agtatgacac ttttcttctt gcatgcatgt cagctacata     2880
aacagttttg tacaatgaaa attactaatt tgtttgacat tccatgttaa actacggtca     2940
tgttcagctt cattgcatgt aatgtagacc tagtccatca gatcatgtgt tctggagagt     3000
gttctttatt caataaagtt ttaatttagt ataaacat                            3038
```

```
gtgaaagcat gtgatcatac taacccagcc tcctggaatg tcgctgtacg atgattgatg       60
tcttttttctc agtccatagt tacaattgtt tagtatgcta atcagtccag ttccctgagg      120
tttaagatca aatataaatt actctgcttt tcgactcatt caggtagcat tgtacctgaa      180
cctgattgct acttttttcat cttaaatatt atatttcctc atctaatctg ccttcccctc      240
gtccacagac atttggagaa ggaaatggga gggtgtctgt tatccctttc tctttgcttt      300
gtccccgttg ttagactggc agcgtcagtt gctcggtggg cttggttaga gccgtgggtg      360
aggcaggtgg ctggcgggga cagggagagg ctgagaggga agtggtggca                 410
```

```
ttttttttttt tttttttaaa tcatctttaa tgtattttta ataatttttt tgcctcattt       60
```

```
accagataaa tcatctaaat aaatagatgc tatacagtct cttaccaatg tcagtacaaa    120
aataaaaccg cgctctacat ccactctgac tctcccagca cacacacact cagcaaaggc    180
atgtgcttgg aatcaactcg tgcccccgac ccctcccaga tacattcatt tagtctgaac    240
aaagctcgaa gctcattctg tgcaaaggaa gcgctcttgt gctgagacct ggtggccgca    300
gctggccact tcgaaagcaa aagctaaacc acctcacaga agcacagcgc ctgcccccag    360
aacaagggga caggaggagc ttggcaacga ggtcatcacc cgaacagcag tgacagtcct    420
gcattcc                                                             427
```

<210> 1996
<211> 5959
<212> DNA
<213> Homo sapiens

<400> 1996

```
gaattccgga tgctcagatg aaagccccga gatcacagag acccggcgag atcacagaga     60
cccggcctga aggaacgtgg aaagaccaat gtacctgttt tgaccggttg cctggagcaa    120
gaagttccag ttggggagaa ttttcagaag ataaagtcgg agattgtgga aagacttgac    180
ttgcagcatt actctactga ctggcagaga caggagaggt agatgtcaac gcccacagac    240
cctggtgcga tgccccaccc agggccttcg ccgggtcctg ggccttcccc tgggccaatt    300
cttgggccta gtccaggacc aggaccatcc ccaggttccg tccacagcat gatggggcca    360
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1020

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<211> 668
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<400> 1999
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gatttaaaaa aaaataaaat atatatttat acatttatat atatatatat atatcacgtt     180
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<213> Homo sapiens
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1022

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1023

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1024

<210> 2002
<211> 410
<212> DNA
<213> Homo sapiens

<400> 2002
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gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt   240
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat   300
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttaa   360
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<210> 2003
<211> 218
<212> DNA
<213> Homo sapiens

<400> 2003
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<210> 2004
<211> 470
<212> DNA
<213> Homo sapiens

<400> 2004
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gacgaataat attttcaggg aaggcagcgc agtctgtgcc gtcacaatcg ggcgactgtg   180
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<210> 2005
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 2005
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ttaaaccctc taaccaacct aacactcgct ttcagaggca cttgtgatga ttttcacagc   180
ttccatagtt gcaaagaaca aagaaatcat cttccaacag gggtggaatt agataagaat   240
aatccaaaaa atatttattt ctttacagac tcacagattg cttgatgttt aggggctctt   300
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<210> 2006
<211> 7787
<212> DNA
<213> Homo sapiens

1025

<400> 2006
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1027

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<210> 2007

<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2007

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tttactgtgt tctgtgaaaa tttgtaattg gttgngaatc actgtgggcg tccattctta     180
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accattagtg ctaccacctt ctcacattac aatacanttn ctggaagcaa gtactgcatt     300
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<210> 2008
<211> 283
<212> DNA
<213> Homo sapiens

<400> 2008

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aacttagatt ttatagctct agttttgcag ttttggaaaa tagcaggttt taaacaaaat     180
taatatatga gctatttaaa atggtctttt tagagtaagt cttacacata atggtcattt     240
gctacttgga ttttcttgtc caattaatag tgacatttga cat                       283
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<210> 2009
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2009

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gtttcttgga gcggccc                                                    437
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<210> 2010
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2010

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gctgagcctg tccctccacc gcccattgca atggttnngg caataaccct ccctaatcct    180
ggctcagtga gtagagggag tgaccggccc acccaggagg tccccccttt ggttgcaatg    240
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cagagttttg ggctgcgttg tgataag

<210> 2011
<211> 632
<212> DNA
<213> Homo sapiens

<400> 2011
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<210> 2012
<211> 333
<212> DNA
<213> Homo sapiens

<400> 2012
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<210> 2013
<211> 453
<212> DNA
<213> Homo sapiens

<400> 2013
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<210> 2014
<211> 252
<212> DNA
<213> Homo sapiens

<400> 2014
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gagaagtgaa agggtttccg ggtcagacgc tgcactccac gcctgcgtcc tcctcgtggc    180
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gacactgaac aa

<210> 2015
<211> 487
<212> DNA
<213> Homo sapiens

<400> 2015

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tctcatggcc agaattgaaa attttctcat ccagaaattt agggcaccca attattgaat    60
acccttatca tattgcttta aatgacagaa agattaaagc tggcatcctc tatagtatac   120
taagcatgaa tgtaaagtat gagaataaat aggagacttt cctaaatgtc aaattacaaa   180
accgctcaaa actttgtaat tgtgactcat gcaaatacct tgttaggtca acttaatatt   240
acaaatactg catcagctcg gtgcctttat atcccttttc ataaaaaga aattctcact    300
ccactcctga agccagcaaa cagctctgga ggaattacct gtacacccaa gtgccacggt   360
cactctggaa ttttaataca cacacacaca caccttact catgaacata cacattttac    420
aaacacacaa tggtgtacac acacacacac acatccac acacacccca tctttaggat     480
ttgtagc                                                           487
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<210> 2016
<211> 280
<212> DNA
<213> Homo sapiens

<400> 2016

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ttttgccact gtaatcaaat caatatttta ttcatacagg agtagaaaag tagaagacat    60
gaacagaaat aaaaattctg accaaatctt aaggagtgtg aatgagaact gaatgtatga   120
taaatgttgc atgttcagtt caatgggaaa ttgatcgctt atttaataag tgattgtggc   180
acaaaggctg tcttcagcaa acaccaaata actctgtgct ctgctttgag acacttttct   240
gaatctgtta gcaagagaaa tgctgaagct ttctcagatg                         280
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<210> 2017
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2017

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ttaaaaacag aagcgcgacc atttctttat taaattatac aaatnnnnnn gggaggggggg   60
cagctgtggg gctcggcaac acccggcccc accccggcct ggcgctgtct gagaagaggg   120
gatctgaggg agatccaggg atcaggcagg atagggatgg ggcaggacat gaggctgggg   180
gatgcanang ttatttggga gangctacc                                    209
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<210> 2018
<211> 343
<212> DNA
<213> Homo sapiens

<400> 2018

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aaatttataa ggcaaactct ttatataata aataggttac agggattcag tggggggggg    60
gtgtttttga aacgtataca ggtacattca gacaggttta ctgaaatggt acaaatttcc   120
ttaataaatt gccttttgtt tttaaatata tcagtgcttt cagtcatttg gctatacaca   180
aagaaccttt tttctgaaca ctacaaaaaa gcaatcaata atttttgttt ttaaaacgac   240
ctacttattt tctaaagtaa ttgtcccaaa acacaaaaac tgaaggtgaa tacgatacag   300
ggcttttaga gacatctcca gctaagtgtg tcccggcctc tcc                    343
```

<210> 2019
<211> 378
<212> DNA

<400> 2019

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gtattttgct ttattcaatc taataaacat tttatttatg taaaagacaa acaatgcata      60
gaataaaaat aagtgcttga gacttttgat ataaaaagag tatatagcat tcacattcct     120
attttaatac atgagtacag ctgaagtgtt ccataaanga ataaaacttt ccctttatgt     180
atagtagtga aaaaagtcag tatttttagg aactacagaa tgttattcct tggtcttttt     240
tctngaataa gaaaaaaaaa acataaacaa aacangccac agtatcctcn gacactacat     300
tccaggttta tgcnggataa cccagaagtg agaatactcc nggaatctng ggtatcncat     360
gaatgggacc agnattcc                                                  378
```

<210> 2020
<211> 452
<212> DNA
<213> Homo sapiens

<400> 2020

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tgagacaacc agatgctgta aaaaaaaaaa cagcactggg atgtgttgag gagggggcag      60
tttgctgtgc tctgttctgt ctgctgctct ctctgggggc cgcacaatgt ccgcacacat     120
cacggagggg agaaaggcat cagtaccaaa cggaacaacc tcttttttct acattgtcca     180
tacccggaca tgtgaggctc tattatcaac aggtggtgag aaaaattctg tttttattcg     240
ctttctggta acttctgtag gccctggctc aaggacttag catttcgtct catgtacatc     300
tttttctgaa gtgttctttg ccatttctgg aattgtcctt ggtttttcct tagctcatag     360
gtcatagatg cagaaatata gtatttaagg catccgcatc cagcatcaga tggctttgca     420
tccagaaaaa cattgataac tcagtttgaa gc                                  452
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<210> 2021
<211> 418
<212> DNA
<213> Homo sapiens

<400> 2021

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gttgtgtttt ttttgttttg taaagctgca gcaatagatt tattgcaaag gaactagaca      60
ttacattaac ctgatgaaga tgtaacgatg catgaagcat aactggtgca acattttta     120
aaaatcacaa atgaaaaaga aaattcattt tcaaaagaaa atattgtatc caagtcagct     180
taatctctga acaccataat ataactctta atgttgattc taaacatcca ggataaagtt     240
tactttaaac tgaataaaag aaagaaaagg tttctttcca aacttcccca acagattcct     300
tggctaccat cggtgcatca cacccataaa gtaattgtca tcaacagacc gtaaaaagaa     360
aaaaacccct cctacaaata gagaaattct caggaaatcc aagcaacaaa tcaattag     418
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<210> 2022
<211> 447
<212> DNA
<213> Homo sapiens

<400> 2022

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tttttttttt tctttttttt ttcttttag tgtgtattaa aatgaattta tttacacagt      60
aacatgatgc cacggagtac acagcaaagt accacagcaa accaaagggt ggcaccactg     120
ctggcagaga ggacctttca atgatagatt tatacaactt tacaatatgt aagtagaggg     180
gtgaagctcc ggaaagagca aaaacaagat tttcaaatac agagtgtggg cagggcagag     240
agaattaaag agagattgga atgaggactg tcatgattca aatcaccaag tagaatgaaa     300
tcttgcttct gtatttgcct catgccaaaa tgccctgcat atcctcaaca gaaaatccca     360
acccagtgtg ttcatacatc acactcttta gttctaactg gtaaaggaag ggataaccaa     420
gtagtatttg gagcaagttc ctgaaac                                        447
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<210> 2023
<211> 216
<212> DNA
<213> Homo sapiens

<400> 2023
tttttcatac tcagtaagtg tttaatgaag aagagacaga tggaaagaga tgggcgagga   60

aggctgatgt tacaaatata aactttgtca gcactttcaa aacaatagca aatacactta   120

aatacataca aagtttatta aaaataggtt gcaactgaaa tacagtagaa atggaaaact   180

acagcagttt tgatgttttc tcatagtaat gcagtt   216

<210> 2024
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2024
ncattannct ttatntcctg tactgtgaag tgtgttgaaa tgtggaagtt atttcacaaa   60

gttaacaggg tcttcaagac agaagagata tacgtgcaga gtacacacat acacctacgt   120

acacacctgt atatgtcgat gacgacagca tggagggaat gaacttgtgc atggagaagg   180

gggctttttt taaacttgaa agaaaccagc ccattctgtg tgtgtttgga ggaggggagc   240

ctgtaaagcc tatttacctt gaatcccctc tggcttacag ctgcagagag caaaggagag   300

cagacatatt ctaggattgg ggcagtgggg atgatgggtg attgcgttgc tgctcaacga   360

gtctggggtt tgcagggtcc aagggtaatg accctttccc ctgaggggcc ctcattcaaa   420

ggggctgagg gttgcaagc   439

<210> 2025
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2025
ttttgattta agaaatttat tatttttttt aaaaaagcaa cttccagggt tgtcattgta   60

caggttttgc ccagtctcct atagcatggt attatgatca ggatattgag gacttgaata   120

cgttgcactt tataacaaac agacaaccag aaaaaagagt tgatttaaga aatttattat   180

ttttttaaaa aaagcaactt ccagggttgt cattgtacag gttttgccca gtctcctata   240

gcatggtata gtgataactg attttttatn acaatgaccc agaggcattg aagatccata   300

actatcttcc tgaattatca cagaaagaag aaagttagaa gagtttaatg gttaagtggt   360

attaaaa   367

<210> 2026
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2026
cttattcaaa acaatattat ttaatttaat attttcacct atgagaggta atgaatgcag   60

aaatatagtc tccattatag cagacaggaa aaaatacatt atcctactat tttctagaaa   120

aatgattgtg gcattagcaa atcaaatgga aaaagtgaat aagcagnctg ngattacctg   180

1033

aaaatagtta gttgctagta aggttcagta caatgtatgt ttattaaata atcg   234

<210> 2027
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2027
gaggcaatta tcaattgact ttatttcctt tcatatggta acaccagcag tgtatgatat   60
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accatcctga ataaaaaata tttgggccgg gcatggtggc tcacgcctgt aatcccagca   180
ctttgggaga ccgaggggggg cgattcacga ggtcaggaga ttgagacctt cctggctaac   240
acggtgaaac cccgtctcta ctaaaaatac aaaaacaaaa ttagccaggc gtggtggcag   300
gtacctgtag tcccagctgc ttgggaagct gaggtgggag aatggcgtga acccaggagg   360
cggacttngc agtgagctga gattgtgcca ctgcactcca gcctgggcaa cagagcaaga   420
ctccgg
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<210> 2028
<211> 244
<212> DNA
<213> Homo sapiens

<400> 2028
atcttgatat tgtttattgt ttacggttat gacacattat atatatacac acacacacat   60
atgtatatag ttacgtacac acacaccaat ggcactgatt ttggtacaca tcagaattac   120
ttaagagagt ttgttaaaaa tggagattct ggagccccac tctgtgagtc tggacgatag   180
gtcctacatt tttaaatgcc cctgcctgcc cccaaggtgt ttttatacag atggtagact   240
cact
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<210> 2029
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2029
tttttttaaag gtttgaacat caaattttaa tcttgaaacc ttttatccag tcctcaaatt   60
attaacatga aaaggagtga taaattgcaa ttttatcatt accatatcac tgngtaacaa   120
gcccttgtta caaaatctcc ctctactgtc tgcaaaaaac caatagaaaa cccatacatt   180
atattaccta atgntctatt aacagatgaa attttaacca actttatacc aggaaactat   240
gaacagaggt acttcaatca catagcttaa aatatggaga aaagacaggt aaaaaaatta   300
tcttaacctg tagtagtctt ttttcttttt aaaattttta taaaatacac taatttccca   360
aaataaagan tattatgnca cattggngta acttacacn   399

<210> 2030
<211> 6431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2030
aactgaattg gcaaactaga taccttcttg ggttatggta tattagagaa acacgaaaac   60
tactggcatt tggactttct tagaattttg tggctcatta aaaattgtat ctggctcagt   120

1034

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gtgatggagg gttgggaccg ggcagggtct tgctctgtca cccaggctgg agtgcagtgg    180
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cgagtagctg ggactacagg cacacactac catgcccggc taattttttt tttaattttg    300
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cgtagatcaa acagtaaaag tgtgggagtg ccgttgattg tgtctccttc ggcccctcct    480
ccctcttttc ctctggatgc actctgatga taccatggtt accccattga gctctgttta    540
aataaatatt gtcctttcat gtaaattatt ctggatgtag attgagctta ttaaatgtta    600
cacacaaagt attcatgcat ggtgaatcca aattgtatac tgtaaattta catacgttgt    660
ctagaagtac catagggttt aaaaacctgg gctggcattg gtcacaccag gcctaagaag    720
gcagaagttg aatcaattga actagggcac taaactgaat agttgacagt gtcattttat    780
gttggattat taattcctgt ttttctttct gctatctgtt ggtgcctgac ttgatggcct    840
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acttaagtgt gcttaataaa tctcctgtaa ggatttttaga tgataaggct acaattcaga    960
atcttctgaa ccatctatgt aatgaatggg gattatacat tggaattttt gtcatgacac   1020
atttgccaaa tcagtaggat atatttgttt tggcagccta tcacgcagag gctagtggta   1080
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atttatttca ttttggtctt aatgctttgt aaacaggtca aaaaatactg tcatactcta   1200
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tagtgatgtg acttccaagt agaatttaat ctccccattg agtgtgtcat ggtacaaatc   1320
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aacatgaatc tgatattgat ttaaactgtg tttcacttac aagttttaaa aaaatgacag   1500
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ctctaattta gccgctcgac attttacaca acccggatat gttgtatatt ttgacccaaa   1860
gttacaggta ggtttaagag aatttttagc catgactttt ggagcactat tccattgtca   1920
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ctgaactgcg ttttattcat ttgtgtacta tgtgattttt taaatgtccc ctttagtatt   2100
taatggaaaa ttggttcctg caaaagacaa agggtgagag ttagcgtcct gtagatacac   2160
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1035

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cagattgcct gagctcagga gtttgacacc agcctggaca atacagtgaa accccgtctc    5160
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1036

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ccacatctat aaatgctgcg tctaccttac cctctgactt ggaggcagag acccaagcag       180
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cactctggtc gtcgcccgcc ctgcctcgtc gggctctgcc cagcttcctg agtcctgaca       960
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agacctgggc cctccaggta ctgtgctgca gaccccaccc tcagctgagg acacagaccc      1260
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1038

```
cctttgagtc tttgaatggc aactcagccc cctgacctga agacagccag cctaggcctc    4020
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ttccaagaaa tatcacattt ctgtatttt gtaaatcaaa tgaactctga ctctgagccc       4740
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<210> 2032
<211> 367
<212> DNA
<213> Homo sapiens

<400> 2032
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tttgaggaat gagcaattta tttcaataaa gagaaagcat taattttgct acagtgggaa     60
aaaatgaact caagagttgc tacatttaac tgtatcccca tttatctctg cacgatgtct    120
tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat    180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt    240
aaatacttt gactttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc       300
atcaaagcag ttaggattcg aatgcttgct aaggattatt tttttaatgg agcagttcta    360
ttgaatc                                                              367
```

<210> 2033
<211> 360
<212> DNA
<213> Homo sapiens

<400> 2033
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gaggcttaaa tgttactta atagtatcca caaagaatct ggtttagtta ttaaaatgac       60
ttattttat ttaaagaaaa aatctgtgat tttactcatt gtatatatag aagtgaattt      120
ttaaaaaata gtttcttctt ttatgtggat tctcttaaga tttgaagaac caaactattc    180
tttggtttta ttatacggga aaaacaacac gcagtctagt taaacaactt tgtgatattt    240
atattccatt gcacagatat gggttataca aattagtaac acaagttatt tcttaaattc    300
caaacatttt ctaaaatatt attacagcag atgcctagga tattaaaaca taaaggtgga    360
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<210> 2034
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2034
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catcattcta tttattacat gtatgaatat taacatctca tggtgtccat ctaagtcaaa     60
accaacaaaa gaaaaaagtt aaccatatct caagcaaaca ttcttacaga ttcccgttac    120
ttaaaataga aatatgttca tctgcattaa atcatttgac aatttgaaaa agtctttaaa    180
aaaaaaatca cctttaggta ctttaaatat atttgttaat tgttganggg catcngtgtc    240
```

1039

cagggttcag ggattaaacc ttgg

<210> 2035
<211> 460
<212> DNA
<213> Homo sapiens

<400> 2035
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tttttttttc agtgcatttg ccattttat  ttcgctatgc agaaacatac attcaccatg   60
ggctgtgatg caggtgatcg tgtaatggag aatctctctt tttgaaggct atttataact  120
aacactaaat agttttaatt acagtggaaa ttctgtacag tttaaggctt ggctctgaac  180
tagaatgtaa atatggacca gatttgaaaa taaaacactt tcttttcaag taaaagaaga  240
aaaatcaatt aaaaaataca cggcacggaa aaagtaacta agaaaacaaa gccacaggaa  300
gcccagcagt ttctcctgaa gtgaaatttc ataatattgt aaactaacaa aaatacaggt  360
tttcttccca aaataatgac aatttaagct ctctggattg aacacagacc aaagcaaaca  420
acaaggaaga aatcgcatta atatgctaaa atcagtacta                         460
```

<210> 2036
<211> 455
<212> DNA
<213> Homo sapiens

<400> 2036
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cctttttcta atacttgctt atatcatgtg ctgccgacgg gaaggcgtgg aaaagagaaa   60
catgcaaaca ccagacatcc aactggtcca tcacagtgct attcagaaat ctaccaagga  120
gcttcgagac atgtccaaga atagagagat agcatggccc ctgtcaacgc ttcctgtgtt  180
ccaccctgtg actggggaaa tcatacctcc tttacacaca gacaactatg atagcacaaa  240
catgccattg atgcaaacgc agcagaactt gccacatcag actcagattc cccaacagca  300
gactacaggt aaatggtatc cctgaagaaa gaaaactgac tgaagcaatg aatttataat  360
cagacaatat agcagttaca tcacatttct tttctcttcc aataatgcat gagcttttct  420
ggcatatgtt atgcatgttg gcagtattaa gtgta                             455
```

<210> 2037
<211> 1098
<212> DNA
<213> Homo sapiens

<400> 2037
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gagaagctct atctcccctc caggagccca gctatgaact ccttctccac aagcgccttc   60
ggtccagttg ccttctccct ggggctgctc ctggtgttgc ctgctgcctt ccctgcccca  120
gtaccccag  gagaagattc caaagatgta gccgccccac acagacagcc actcacctct  180
tcagaacgaa ttgacaaaca aattcggtac atcctcgacg gcatctcagc cctgagaaag  240
gagacatgta acaagagtaa catgtgtgaa agcagcaaag aggcactggc agaaaacaac  300
ctgaaccttc caaagatggc tgaaaaagat ggatgcttcc aatctggatt caatgaggag  360
acttgcctgg tgaaaatcat cactggtctt ttggagtttg aggtatacct agagtacctc  420
cagaacagat ttgagagtag tgaggaacaa gccagagctg tgcagatgag tacaaaagtc  480
ctgatccagt tcctgcagaa aaaggcaaag aatctagatg caataaccac ccctgaccca  540
accacaaatg ccagcctgct gacgaagctg caggcacaga accagtggct gcaggacatg  600
acaactcatc tcattctgcg cagctttaag gagttcctgc agtccagcct gagggctctt  660
cggcaaatgt agcatgggca cctcagattg ttgttgttaa tgggcattcc ttcttctggt  720
cagaaacctg tccactgggc acagaactta tgttgttctc tatggagaac taaaagtatg  780
agcgttagga cactatttta attatttta  atttattaat atttaaatat gtgaagctga  840
gttaatttat gtaagtcata tttatatttt aagaagtacc acttgaaaca ttttatgtat  900
tagttttgaa ataataatgg aaagtggcta tgcagtttga atatcctttg tttcagagcc  960
agatcatttc ttggaaagtg taggcttacc tcaaataaat ggctaactta tacatatttt 1020
```

```
taaagaaata tttatattgt atttatataa tgtataaatg gtttttatac caataaatgg    1080
cattttaaaa aattcagc                                                   1098

<210>  2038
<211>  402
<212>  DNA
<213>  Homo sapiens

<400>  2038
tttttttttt tttttttttt tttctttaaa gcactttatt aatgaaagtt ggaaacctaa      60
aaattgaaca gtagtttaat aaaatgtggc acatatgatg gaatatcatg cagccattaa     120
gagatgtaga aatatacttg acacagcaag acagtcatgg tattgttgag tgaaaaaaag     180
ttacaaaaca gtatgtacac tttgatccca ttaaaaatat ctataaatgc acagaaaagt     240
ctggaaggcc atatacttaa ataacagtgg ttctccctgg atgatggaat tatcagtgat     300
ttttctttct cactgaatct ttttcttttt tgccaacagg gctatgactt gtattataaa     360
aaagcattaa caattcttta aaaagtgtcc tttgaagtaa ga                        402

<210>  2039
<211>  376
<212>  DNA
<213>  Homo sapiens

<400>  2039
ttttacttga tcattctttt tatttttaca aagcatggca aaatgaggaa accactgaca      60
ggtgaagaat ttgcacaatg gaaaaccacc ttgaccatct catgacttta tacaggaatc     120
ggaggtaagt gttcctttaa agtgattttg tcatgaaaga gtcatctgaa atgactctcg     180
tgatggagga aaggaaagta atgaaatcaa cattcatggt tatttaaaat gccttaaaag     240
ctaagcataa tatacatagt aactcctttt cctagtataa aaatagtgcc agaaactata     300
tttgttcaaa tatattgaaa aggtataaga atacaaatag atattaacag tggctagtga     360
tgcctcataa ggtttt                                                     376

<210>  2040
<211>  269
<212>  DNA
<213>  Homo sapiens

<400>  2040
tttttttttt aaaagtataa ttttgcattt tattcattca ttccatcagc tgggaattgc      60
tctattgtac aaatacagtt ttgtacaaaa aaatcacaaa atgttacgaa ataaaaaaag     120
tacaaactgc attacttaat aaatatgact aaaagtagtt aaagtggcaa tgagattgat     180
tttaagttgg aaacattgtt tgacccagca aaccatacaa gctctgttta cagacatttc     240
tacatcaata cagggcaatc ctattttgc                                       269

<210>  2041
<211>  1206
<212>  DNA
<213>  Homo sapiens

<400>  2041
gcatgcaacc ctctgcctcc ctcccacgtt ttccataatg attttattta tttatagctg      60
acacaaggaa gatggaccct tctaaaccgt cttccaacgt ggccggagta gtcatcattg     120
tgatcctcct gattttaacg ggtgctggcc ttgccgccta tttcttttat aagaaaagac     180
gtgtgcacct acctcaagag ggcgcctttg aaaacactct gtattttaac agtcagtcaa     240
gcccaggaac tagtgatatg aaagatctcg tgggcaatat tgaacagaat gaacactcgg     300
tcatctagta cctcaatgcg attctgagat atttgaattt cataaaattg taactgaaat     360
ttaaaatttt tagttcaatg tgattgtttt ctttaaaatg agtactgaat tgtactggtc     420
tgtccttttt tcctttgcct aattgaagaa ataattgctt gttttctagc ctggcaagat     480
attttcataa aagagggata acaatgctga ttactacctt ttaaaatatt ttagataaat     540
```

1041

```
gcacagcacc acagcaccac atctaagcat tagtgatggg tagctgatgt cagcttcatg     600
tggattttaa gcactctaga aacaatgaag cttcttggca tattttaagg agctcccaaa     660
atgtgttacc tattaaattg taactcagca agtagaagac catttgaaaa gtcaggtaca     720
aatttcctca agtggcataa aaatgtagtc agttttctct tttaccagtt tttatttcca     780
ctccaattat ttagaacttt atttgtacat gtgcagaaga ataaggcagc tgagaatctt     840
gtttccccca agagagtttt acaggctgag tgttgcaaat gtgttctttg tcctgttata     900
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tagataatgt gaaataaaca ttaaagacaa ggtctatttt taatagattt gcattttggt    1020
gatcttagta taaatttgct tttaaatgag atgtatttat ccactcactt tacactttaa    1080
cttgacactt atgatattat ttgtagagaa attctttaaa tgaaactcat gaactatttt    1140
gaaaaggagt gttgctaaaa tgctgtgtgt aaaatgaatt ttttaccgta atgattttgc    1200
cagatc                                                               1206
```

<210> 2042
<211> 273
<212> DNA
<213> Homo sapiens

<400> 2042
```
tttgacattt ataaatgaac ctttattaaa gacacttcaa tgccatttgt tagacacttc      60
aatattttac atggttttca atgtacactg taccaaaatt tctataaata aataactttg     120
tacataaaag taatactccc tctttcacat tgcctctcag aagcagcaaa ttcacatatt     180
ttgtggaagt aagattagtc agttaactgt caagaacaaa attctaaatg tgcttacctt     240
ttgaacagtg atgacacctg acagtaattg tta                                  273
```

<210> 2043
<211> 320
<212> DNA
<213> Homo sapiens

<400> 2043
```
ggccaaaaat actgtatttt taaccagcaa gatcattggg gcattattat acaacattag      60
gtgttttttg caaaactagt tcccatcccc aaacaataga cagtacatgc atttgaatga     120
cattttagga acagtaaata ttctttttaaa tactgcaagt taaaaatgtt ttctgacaaa     180
actccctaaa tacataggtc tagtaagggt ttccaacagg atgatgggtg aggaatccag     240
caaggagttg catttagaag agttctttga ggaaaagaaa tccaccaaaa acgtgtttca     300
gtcaaagtaa cctggacaaa                                                 320
```

<210> 2044
<211> 356
<212> DNA
<213> Homo sapiens

<400> 2044
```
tttaaatttc aaatatattt tattcaaaat tctccattta ggagaaaaga tatataacaa      60
tgtttacaca tgctttaata acttatttca ctgtacaact tacattctgt ataacagtac     120
aataaaccag ccaaagaaaa taaccagtta gcacttaaat aagaatctac catgtaaaaa     180
acacagtatg ggacactaca aggtagtatt tatatatttt ttaaatgact gagctacagt     240
acaacagtca tctagttcag tggttgtcta aaacatcaag ctgtccacat ctttctgatt     300
catgatggga aagctattat gacctttcac attcgaacat gtcattttgt tgtgta         356
```

<210> 2045
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> n=a,t,g or c

<400> 2045

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ttttttttt gatgtttttaa tgttttattc atggtatgta aagactgaag ctgaatggct   60
ctttgctcta cttttctatt attacactta acatttgtca ttactttttgg tgccagaaca   120
gttttcatgg atggcaggga atatcctgaa ttggaaatna tatatatata tatatatgga   180
nacagaaata caagaaaata tgcttggggg aaaaaaaaca ttgacaataa aacaactgct   240
tctttaaaag tagtattaat aaaggcttca aaactccaaa gtaattttct ggt           293
```

<210> 2046
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2046

```
gcaggccaaa accntagttt atttcagcat cagcagtatc ttagccatca aaaaaataaa   60
ctntaccaag ggtgacggaa gtntctacag caaggntaag ggctcgccag acggcgaaca   120
tcaggggtgc atggtgggca ctgcccaggc aataagtnag gaagcagcag ggctggtntc   180
gggtgtgggc cgggcttnat ttctgggcag gcatgaggtc gtcgatggcc tggccctgct   240
ccagccgctg ctccatctcg atgagcagct tcactccgtc caccaccatc ttgcaccag    299
```

<210> 2047
<211> 331
<212> DNA
<213> Homo sapiens

<400> 2047

```
ttttttttt gtaaagacag atatatttat ttcatatgac agcacgtttc acaggatatg    60
tacagaatgt ctgtgtacca ctgactttaa tactgtactt ctataaagtt tatagttata   120
aatattgtat gccacataag caataaaatt cttacatata aacagcaatc taatatagag   180
aacacagagt tcacaaagag atccttagtg tctaacttct gctctgcttt taacagaact   240
agtaaatatt taataataca tagggtaatg gctagttatt tgcagcatac ctttaacttt   300
cataactttg tgcattttca gcaacttgcc c                                  331
```

<210> 2048
<211> 577
<212> DNA
<213> Homo sapiens

<400> 2048

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taagagaaag aaaaatcaaa tatttattaa aagtaccata atacagaccc atttcaagta   60
aggacaaaca caccaacata tttcttagta gtttcctcac aatagattat taaagcatag   120
aacaattatt catattcata aagaaatgac ttcaaaatag gttaaattgt tttccatcta   180
ctctgtttaa taaggcaaga acaaatgatt cactttagac aaatagtctc atcaaaaag    240
ggctaaaata gtaaagattc atcacctaaa gtggtaagct ttggatatct gaaatataaa   300
catgttagta ctctgatgat cgccagataa atgaatttag gcaagaaaac acattgttac   360
aaaaagcctg ggttctaaat caggattact gagacactaa caatttcaga tttttgcctt   420
cattccaaga agcaccaacc cagttttctt tagactggcc tgggctgggt ttggggccaa   480
gatctagtcc aaatggtagt ctgccagtgg atgtaggtaa ataagataga gggatgaaga   540
aaaatttagc atcccgccag ctgaatatcg ggttcgc                            577
```

<210> 2049
<211> 433
<212> DNA
<213> Homo sapiens

<400> 2049

```
cacaaaaatt tcttttaatg aataaataat ttgatgaaat caaaaatatt tacaatataa    60
acacatggaa acaatacaaa tctgacagaa acgacgactc atacaacata tctttgttca   120
ttacacattt atctgttagt cctggaaagc tacataagca tatattatgc aacatgttaa   180
agtacaaata ttacctaaaa taatatatta ccataatgcc agatagcatt ctccacagaa   240
caaaaacata cactcagctg taacaataac gagggtcacg ggccacaaaa taatacccca   300
aaggtacaaa ttccttcata agaatatagt tgtgctcttc agtttaccag ctggtctacg   360
gctgctctag gaagccgggt gggaaggagt acnggatttg ggcactgtgg ctggtgtggt   420
gnggtttcng gaa
                                                                    433
```

<210> 2050
<211> 384
<212> DNA
<213> Homo sapiens

<400> 2050

```
tttttttttt ttttcttaaa ttatatttat tatatgaaat acaaaatgtg gaaaatttgg    60
aaattacaga aaaaccaaag atgaaaatta cagtgacttt gttccaccat acaaagataa   120
ccactcaaca tttttagta tgccttccgt cttttttatc tgctctacgt atacaagcat   180
acacccatat tttaaaaaac aaaattgaaa tcacataaca tgcactattt ttacaacctt   240
ttaatattca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc   300
tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg   360
caaactttcg ttacagcaga aaag
                                                                    384
```

<210> 2051
<211> 207
<212> DNA
<213> Homo sapiens

<400> 2051

```
tttttttttt ttttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac    60
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacaa taatataaat   120
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa   180
accaccttat aggtaggtaa gcaaccc
                                                                    207
```

<210> 2052
<211> 435
<212> DNA
<213> Homo sapiens

<400> 2052

```
ttcaggtcgt aagccacttt attccagtcc cttgaacatc acaggctggt tttatttggg    60
acagaacagg ttttatttcc aaaggtccct gaacacagca atgacaatga acagcccagc   120
agaggagtga cataaacctt gaggcatgca gtcttctggg tgctgtggag tcccttggcc   180
aaacttgagt gcactggatt cgacatacaa agaccttcct gggaaggaga aggagaaaaa   240
caacctccga gaaaatacag acagggtcag tggcaggcca ggacagggac tatttctata   300
cattctggaa gtgtcggcat tcatcagcct gcatgtggct cacttttctt tctggaatag   360
ccggagacct ctactcctca ctccagctct aggttccaag gaacagagtg ggtctggctc   420
agcgagatgt catga
                                                                    435
```

<210> 2053
<211> 352
<212> DNA
<213> Homo sapiens

<220>

1044

<221> misc_feature
<223> n=a,t,g or c

<400> 2053

```
attaaataaa agttttgctt ttatttaaaa taaaatkcat ttatacagtc cttbgaaccc    60
attggattat ttgaacmaca tactggtaat ccaccctctc ccctcgcacc cctttytggg   120
tctatgtgak ctaggamatt tctctgatct agnancawat atmagattgt acacagcgca   180
acagmtctag aacatggcca gtccaggcat tagagttaag gacattgtgg caaatcatga   240
tcataatgaa gtcattctta atttagtaga tattaamctg acgttaatta tatctcttaa   300
aggcatttaa ttaacggaga gatttctaca wttavgccat ctbctagttg tg           352
```

<210> 2054
<211> 422
<212> DNA
<213> Homo sapiens

<400> 2054

```
tttctttgta ttataaactg acttttaata ataataaaaa atctatcaag aatttaacga    60
gaagaatctg tacattttaa agtaaaccag tgcacaatgc gctggccctg ggcctccccc   120
atttcccgca gcagggctaa agcgggtcct cctttgtctc tgatgcaaga tacagtgaca   180
aggccactgt cctgccctcg tgtatgctgc ggcaagagag ggaagcgcac cctggcttgc   240
gggaggctcg gatgccagat gccgggaggc ttcaagctcc caggcctggg ggcagcaggg   300
agccccacct gaactcacca cctgccaggg gtgacaggcg tcccccccgct tcctccccag   360
ctgtgacctt tccctgaagg cataccgaag ctggggggac aaactgccga gggggcttgt   420
gt                                                                   422
```

<210> 2055
<211> 427
<212> DNA
<213> Homo sapiens

<400> 2055

```
tttttttttt ttttttttgct ataagataat ttattacaga ctagcctata atctcctgta    60
acaatggcac atataataat taacaacagc aaagatgctt ggtttcttgt ttcatgtaat   120
ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg   180
aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga   240
aacagtttgt ctctgacctc ccaggaagtg tggagggccc cttccatcca gcctgtacag   300
agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaatgac   360
cccgatgaga gagagagaga ccaaaggcta gattctttct gcaaggtgga ggacggctag   420
aaggcag                                                             427
```

<210> 2056
<211> 1603
<212> DNA
<213> Homo sapiens

<400> 2056

```
ggccagggat caggcagcgg ctcaggcgac cctgagtgtg cccccacccc gccatggccc    60
ggctgctgca ggcgtcctgc ctgctttccc tgctcctggc cggcttcgtc tcgcagagcc   120
ggggacaaga gaagtcgaag atggactgcc atggtggcat aagtggcacc atttacgagt   180
acggagccct caccattgat ggggaggagt acatcccctt caagcagtat gctggcaaat   240
acgtcctctt tgtcaacgtg gccagctact gaggcctgac gggccagtac attgaactga   300
atgcactaca ggaagagctt gcaccattcg gtctggtcat tctgggcttt ccctgcaacc   360
aatttggaaa acaggaacca ggagagaact cagagatcct tcctaccctc aagtatgtcc   420
gaccaggtgg aggctttgtc cctaatttcc agctctttga gaaaggggat gtcaatggag   480
agaaagagca gaaattctac actttcctaa agaactcctg tcctcccacc tcggagctcc   540
```

```
tgggtacatc tgaccgcctc ttctgggaac ccatgaaggt tcacgacatc cgctggaact    600
ttgagaagtt cctggtgggg ccagatggta tacccatcat gcgctggcac caccggacca    660
cggtcagcaa cgtcaagatg gacatcctgt cctacatgag gcggcaggca gccctggggg    720
tcaagaggaa gtaactgaag gccgtctcat cccatgtcca ccatgtaggg gagggacttt    780
gttcaggaag aaatccgtgt ctccaaccac actatctacc catcacagac ccctttccta    840
tcactcaagg ccccagcctg gcacaaatgg atgcatacag ttctgtgtac tgccaggcat    900
gtgggtgtgg gtgcatgtgg gtgtttacac acatgcctac aggtatgcgt gattgtgtgt    960
gtgtgcatgg gtgtacagcc acgtgtccta cctatgtgtc tttctgggaa tgtgtaccat   1020
ctgtgtgcct gcagctgtgt agtgctggac agtgacaacc ctttctctcc agttctccac   1080
tccaatgata atagttcact tacacctaaa cccaaaggaa aaaccagctc taggtccaat   1140
tgttctgctc taactgatac ctcaaccttg gggccagcat ctcccactgc ctccaaatat   1200
tagtaactat gactgacgtc cccagaagtt tctgggtcta ccacactccc caaccccca   1260
ctcctacttc ctgaagggcc ctcccaaggc tacatcccca ccccacagtt ctccctgaga   1320
gagatcaacc tccctagatc aaccaaggca gatgtgacaa gcaagggcca cggacccat   1380
aggcaggggt ggcgtcttca tgagggaggg gcccaaagcc cttgtgggcg gacctcccct   1440
gagcctgtct gaggggccag cccttagtgc attcaggcta aggccctgg gcagggatgc   1500
caccctgctc cttcggagga cgtgccctca cccctcactg gtccactggc ttgagactca   1560
ccccgtctgc ccagtaaaag cctttctgca gcaaaaaacc ccc                     1603
```

<400> 2057

```
tttttttttt ttactcatta cacatttatt gtacattttc acaatctgga tgcgccacag     60
aattgggggc atggggtggg ggaagagggg ggcaggggac actgggataa tatggggggt    120
ctaaaacaca gcaccccac ctccagcatc tctcctaccc tttcacacca cagcttagat     180
atccctgctc cccctccaca cagaaaacca gaagtctggg gggaagaaag tttgggggcc    240
ccctcccgtg gcaggttaag ggactgtacc ctcaaaccct taaaattgtg ccatttaaaa    300
agacaataga cccttcctca atcagttcac ccaatgagag gacagctct                349
```

<400> 2058

```
cctgtttgct atcctttatt aaagggccca catcctcatg ggactccagc caaaccagtc     60
aggtccccca aatatagcag gaggcctgga aggggagggg aatgacttat gatcctacca    120
tgcctcccaa gaaacagaaa ccaccacaga cagacagaca gacggacagg ggctggggag    180
aacttgcctc actctcagtc ctctcccact ttcccccact tgaaaagaaa gtcaaacact    240
ggctacgagc accccagccc cccaccccac ccatagcagc gtttgtggga cacacccccт    300
ttgcaagggg tggccccgag gcagcttcct atctctctct tcactttggt ttgctcctgg    360
caactccgtg ccctcttcct ttcctcagcc tccggttcgg tctccccctt gtcttctatc    420
acctactcgg accttctctc tcatctcctg g                                   451
```

<400> 2059

```
aagagaattt aaaatcatat ttattgtttt gcaaacaata acttagacat ttcttaatat     60
tttaaaaacc ccaacacaaa gtaataaatt tggcttcttt tccccacaaa aatgggaaat    120
```

1046

```
acctttcagt aaaggaaatt ttaaattatt tttacacacc agttggttgt tggaatttat      180
agctctttaa catatgacat cagcaaaaat aattagcatt aactgattaa tacataaaac      240
aatttacaat catatggtaa gcaggaaaca aaaaccgatc agaaaacacc gttttatagt      300
aattttcaaa cagataaatt attacagtat actttatccc caacatctct gagcccatta      360
acagagtact tctatacata taaagatata ataaaaggat acggtattta ttggcaacag      420
caaatt                                                                 426


<210>   2060
<211>   299
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2060
aatggtcagc aatgtctttt taatacagat gtggtacaga atgtttaatt acagcagggc       60
agtgattcca gttaaataaa attaaaaacc tttattttcc caaatataaa attactaaat      120
taaagtctta aaagaaaata taacatggtg acagctttaa agtacaccac cattcaccac      180
aggntttatg atttaccaat tacatactcc accattttgg caaaaggatg aaattcttaa      240
aactgtttat aaacctaata tagtaaagac tgtatacatc tccatattgc acattttta       299


<210>   2061
<211>   466
<212>   DNA
<213>   Homo sapiens

<400>   2061
gtccagtgcc aaaaatttta gagtttgaga aggtcacaga aatcctctag ttggtgcctc       60
cacagtcttc aattttacag aggaactcag ggctaatgga gttaatgcaa ctagatcagg      120
gttttgggtc tgtgttcttt ctaccgtcag cacctgtgtg gtcaattctg gacacttccc      180
agagaagtct ttgagtagag aatcctactc aaatttcact gtatatttta agcattcctc      240
tcctttccct ttgcctcccc tgttgccttt tcttcccctg atttctcctc tggtcatctc      300
ctctcccttc tgcgtgtaag ccatgggaaa gggatgaggg aggacagctt ctggttaaac      360
acaggtccct cttccacatc aaatgaacat tggcttcctg ggacagaagg ccttcaaagg      420
agggattgca aagcaaggca aagcgttctg tcttcatttt ccccat                     466


<210>   2062
<211>   479
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2062
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag       60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta      120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt      180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt      240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggt      300
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg      360
accaataacc tactgccaac tgttttggta taatccagaa atgcatgagc cggactccca      420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat      479


<210>   2063
```

<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2063
```
cctggtgcag ccagatgttc taactttttga acaaatgagc gtggtcagta atgtacaata      60
actcttgagt ctgttacttt ggcctagcta agcccatctg gccctcggna tncctgcaag     120
atgacagaca gaagagcaag ggcactatca gaaatcggaa caggctgccc cctactcctc     180
ccagcctcta ccagtacaca gagacagact ggagatagag cattcgcagc cagttggatc     240
ttggttcttt tgtcttctga aaataaaaat aagtgcttgt cttgtctttg gaggtcaaag     300
agaaccgcac taatttatttt cctcgagggg gcttttctgg aggagaggat cctcagtcct     360
gtgccaaggt ttcacgctgt ttggccacac gccaggcctt tcttctggat ctggtctgca     420
cgtccagaga tgatggagga a                                               441
```

<210> 2064
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2064
```
ttcaatttttc cacatataaa aatatattttt ttattgcaat actgaacagt taaggccaca      60
acactttagg gagaatttga gatacacata ttttgaaatg acttgttaaa aatattagca     120
taaataaata tcaaaactgg tcacacttat agaagctgaa taaaacanat taanncnntn     180
atcnctttaa nngactacta tcaganactt tactncanan gttanaacat ttctcangta     240
tacattacaa ctacacttgg tgactgtgaa aacataaata tatatttata gtattgtaca     300
gggattttga tcttctctct gtatttgttg gtgggatatt ctgatgattc tgactcatgg     360
tggttctggg tcggca                                                     376
```

<210> 2065
<211> 423
<212> DNA
<213> Homo sapiens

<400> 2065
```
tttttttttt tttattagga atttagcttt tattcaaaat taaataagca aaagcaaaaa      60
ttttaagaaa cttttacaaa ttacttacat aaaagaaagt taataaggac agtcacaaat     120
ttgcaacaaa taattacaaa agtttctagg gcagcatgaa tataaaccat gttgcagcat     180
ggtgatctaa ctgtgatatg aataaggcat aactaacatt tgcaccgaga ccagaattaa     240
aaacaaaaac aaactttaaa agcttagttc tatattaaac ttcttctctt ttcccagatc     300
cttaatgggt ttatactatg cattttttttt taaaacaaac acatcatgtc aaactataaa     360
ttacacaaat gggcagttaa tgtgaaaagc cccctaaaat gtacaaacta actggtactg     420
aat                                                                   423
```

<210> 2066
<211> 200
<212> DNA
<213> Homo sapiens

<400> 2066
```
atttttttcct aaggataaag tacctttgag catgagtgta tcacagcttt cattaggaaa      60
acttttcatt acatacttgt ttaaactctg tcttccaggg taaaaataat aaggttgaat     120
cattttatta aaaatacttt ttaagaaaat aactatgaac atctgaatat taaagatata     180
```

aaaatggcac ataattcata

<210> 2067
<211> 521
<212> DNA
<213> Homo sapiens

<400> 2067

```
tcagagtttt ctttaacttt atcatttata aagccataca atgcattgca aagaaacaaa      60
gcagctgtac aggagtgggg acgcgtcagt gtacaataca ttcatgtcca ggataaggag     120
catacaccag gatttataca cggtggcagc ggctataggc acgatgatac aaaatataaa     180
gtatatttcc atctatataa atacacagct ggggtgggga aggatgctgg gtgatcttgt     240
ttcccccgca gagggcctgg gaggcaggga gggtggtggg aagggatttc ttacatttgt     300
tctcaatgat gggtctgaag ggaggagaga aatggggaaa cacagcctgc acacactgga     360
tgtgctctca cacacacgca caaacaaaac acagacacag gagagtttca aacagcttaa     420
cactgattgg aaaacaagct tggggacatc cctctacagt aactccactg ctggcaagag     480
cccaggcgtg ggatatgaac agaggtcctc caacattttg g                        521
```

<210> 2068
<211> 425
<212> DNA
<213> Homo sapiens

<400> 2068

```
aatatgccac aatttttatt gcaacgtggc cattttgtg aggtgggga gtttgatctc       60
aaaacaatgt tccatttaag gctctttat acagaaattg ccatcatgac tgatattcaa     120
aatatcttta gtgttgcagg actcacatgg taaacataa actcctacac ttattcagta     180
gtgtacactc aatggaaaac aaaaaggcat taataacagc tatttctttt aagaagatat     240
gcaggtaaca ggaatgaaca ctgaggtact aggataagtt gatgacacag ttaacaaaac    300
ttaattggca ttccttttag gatattaaac ttattacaaa aagtgctttt aatgcatagt     360
gttatatccg tgctgccata tcactaaaat aggcttgcca aggcagggtg aggtgtatga     420
atgcg                                                                425
```

<210> 2069
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2069

```
aaaaacagaa gcgcgaccat ttctttatta aattatacaa aattgttnnn gagggggggca     60
gctgtggggc tcngcaaccc cggccccacc ccggcctggc gctgtctgag aagaggggat     120
ctgagggaga tccagggatc aggcaggata gggatggggc aggacatgag gctgggggat     180
gcagaggtta ggtgggagag gctaccggag aagaatgagg ctggtagggg agggagaaag     240
agagcaaaga gagagaggag caattggggg ccagctggag agctcanatg gagcaggtca     300
ggaggtgnaa caattngcag agtnatgggt ggagggcgca gtgtctngga gagggcggaa     360
attagaaggc tggtgagaaa gaagagggtg gcagctctgg ttgctagctc tctcctcgtg     420
ccgaatg                                                              427
```

<210> 2070
<211> 1098
<212> DNA
<213> Homo sapiens

<400> 2070

```
gagaagctct atctcccctc caggagccca gctatgaact ccttctccac aagcgccttc     60
ggtccagttg ccttctccct ggggctgctc ctggtgttgc ctgctgcctt ccctgcccca    120
```

1049

```
gtaccccag  gagaagattc  caaagatgta  gccgccccac  acagacagcc  actcacctct   180
tcagaacgaa  ttgacaaaca  aattcggtac  atcctcgacg  gcatctcagc  cctgagaaag   240
gagacatgta  acaagagtaa  catgtgtgaa  agcagcaaag  aggcactggc  agaaaacaac   300
ctgaaccttc  caaagatggc  tgaaaaagat  ggatgcttcc  aatctggatt  caatgaggag   360
acttgcctgg  tgaaaatcat  cactggtctt  ttggagtttg  aggtatacct  agagtacctc   420
cagaacagat  ttgagagtag  tgaggaacaa  gccagagctg  tgcagatgag  tacaaaagtc   480
ctgatccagt  tcctgcagaa  aaaggcaaag  aatctagatg  caataaccac  ccctgaccca   540
accacaaatg  ccagcctgct  gacgaagctg  caggcacaga  accagtggct  gcaggacatg   600
acaactcatc  tcattctgcg  cagctttaag  gagttcctgc  agtccagcct  gagggctctt   660
cggcaaatgt  agcatgggca  cctcagattg  ttgttgttaa  tgggcattcc  ttcttctggt   720
cagaaacctg  tccactgggc  acagaactta  tgttgttctc  tatggagaac  taaaagtatg   780
agcgttagga  cactatttta  attattttta  atttattaat  atttaaatat  gtgaagctga   840
gttaatttat  gtaagtcata  tttatatttt  aagaagtacc  acttgaaaca  ttttatgtat   900
tagttttgaa  ataataatgg  aaagtggcta  tgcagtttga  atatcctttg  tttcagagcc   960
agatcatttc  ttggaaagtg  taggcttacc  tcaaataaat  ggctaactta  tacatatttt  1020
taaagaaata  tttatattgt  atttatataa  tgtataaatg  gtttttatac  caataaatgg  1080
cattttaaaa  aattcagc                                                    1098
```

<210> 2071
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2071
```
ttttttttct  tatacaaaga  taattttatt  aatgaaaga   tcacacaaaa  caaagttttt    60
gtattcaaag  ttgtctgttt  aaaatgtgga  aaaggtaata  tttacaacat  ttcccataca   120
gtacatagtt  tttgtgcctt  aacagaatgc  taaatagaga  aaaaaaccaa  aagcaaatgc   180
taaattgaga  gaaaatcaaa  agcatcagaa  aatcttgccc  aaagaataat  acttaatagg   240
aaacaaaatt  aagaaaactc  cttaatattt  taaagtatgt  tgtataaaaa  cgttgtgtct   300
tgtttattaa  gactaccttt  tttccatttg  attggcacta  atatcgctat  cacactttt   360
aatgttcagc  aaaatcctag  tgagctgccg  aaatgaattc  tacaaaatgt  ctgagaaagg   420
tactgtataa  tacaaaatgt  aatattctaa  atgttaaaaa  acnaaagtta  aaacnaaaaa   480
tataagccac  tgtaagtggg  ttataatacc  atccatgggt  gggcctggaa  ccnttaaaaa   540
aggggagtcc  attgcncttg  gccctaatat  accaagng                            578
```

<210> 2072
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2072
```
agagagatga  agacacacgt  ttagtatttt  attatgaatc  attatttcaa  agtcccatac    60
tgcatattca  tataaggcaa  cacggcacaa  tttcaggctt  catcacaaag  gatgaaaaag   120
actgtttcta  actccctcct  aatttgcaga  catgcttgaa  cacttaatgg  aaggtgaagt   180
ttattttgtg  gccctcagt   tctctttcaa  gtcctctagt  agaaagtctc  catggtgtga   240
tcttctgact  gggtagaacc  cgcaattctc  tgctgttttt  agtctttgtt  ccagatgact   300
```

1050

```
aattacatga cttggctgca tttgtgaggg gccgacacca acacaattaa accagtgcac     360
cattcagggc catagggtag gaggcaccag ggttcaagaa ggaacttggc gtgttgtagg     420
atctgagttg gggcggctct attccggcta tccatcgatc tcctcttcct catcctcaaa     480
agcttcctcc ccgtcattgg cggtggcatc ctggtactgc tggtactcgg ataccaggtc     540
gttcatgttg ctctccgcct cngtgaactc cattcatcca tgncctcanc cgtgaaccag     600
tgcaggaagg cctggc                                                    616
```

<210> 2073
<211> 406
<212> DNA
<213> Homo sapiens

<400> 2073
```
cactaggaaa caaaggatat tttattcctt ttttctgttg ttgttgagga tagatcacga      60
tacagagaac agcaatgggt cacagcgcac ggtttggttg gtttccgcgg gaacacagag     120
gacaggaggg gcgggatctg ggttgagttc ccactctcgt tatgaccttc aacctctcac     180
tgttcccaag ggctgcacgg agcctgctga gtctccaacc cacctcgctc accgctctga     240
ccaccgacag cacgagaaac ggatgcggga gttgcctctg ctgcccatct aaggggacgt     300
aggcagagaa gcaaaggcct ctgctctccc tccatccatc ccggtgtgct ggccccaacg     360
gaacaggagt ccttcaacta ttgcctgcca gagacccaat tgcagg                   406
```

<210> 2074
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2074
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actttagaga tcatacctac tttcctgcct ttttgataag taaggcatga aatgaaacaa      60
aagttttgag ctgtaaggtg cctataaagg atgtcactac agcattcaca atgctaggtg     120
tgtaagatga catggctgtt accatgtact aaagaacccc atcatgtgag agatcgctca     180
aagtcattaa cacaaagcag tgaaaatcat ccagcaaagc agtgcttatg agagactaga     240
attcagagaa atgcaaggta cgaacttctc tctaatccaa gggtattctg ctgtgatctt     300
ctaatcagtg atgattggtg cttatgcaca ccgacatctt catgggagan gaccaggct     359
```

<210> 2075
<211> 383
<212> DNA
<213> Homo sapiens

<400> 2075
```
tactctctag aaaatattta ttgacacatt ttaattttct ttccatattc tgagaaataa      60
acaaaataca caaaatacag taaaatgcac ttttcccatt tcaaataaat atactatact     120
cttgtaaaaa aatttaataa tctgtgtaat ttgccacagt atattaatca gtgaaataaa     180
acaaagaatc tctaaattgt cacatgtttt aatgattctc acaagcattt ttctggagaa     240
aaagaacact attttctgta gaatttatat tgacttggag actattgctt cttgtttgga     300
gaaggcaaag ataagctttt taaaaagtgt ttagtgtcaa aaagagtctt catttgggag     360
aaaaacagca tacaagtcct ttc                                           383
```

<210> 2076
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2076
```
tttttaatt ttcaaangac tgttgatgtc actgtggttt attaggtaaa tacaaagtat        60
aggctcttgc attttttaaa aagcaaaacc aaagagatta gaaaccaagt acacatatcc       120
tctttagaag agaaacataa atcagtttta acaattaggc acttaaaaat gtaaatgtaa       180
gacaacatta tagaagtata aactatagtt acactcctaa attcctcctg aaatgtttac       240
aaacacaaaa tcacaagcat ggaaaacaaa tttcctcttt atcaaaaaag gaacctgaat       300
ttgaatccca tgtgataaac cnatgattaa ggtactgggt gggtagggga aaaagggctt       360
ctggaaattt tacntatttg ntttaaaatg ttaggctttt cntaaaac                   408
```

<210> 2077
<211> 446
<212> DNA
<213> Homo sapiens

<400> 2077
```
atgttagaaa attttaatat atgattttgg tagggccaat acatagtaaa gacatagctt        60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat       120
gctatgacca gtggtgcaaa attttttcaaa aatttataca ttagatttac ctttacaagg      180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt       240
cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat       300
aattttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc       360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat       420
taacattaca gtagtgtttt aatttt                                           446
```

<210> 2078
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2078
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attcatggtc gantattatt tattgtcaga aaggtacagc attcacacca atatcagaca        60
aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaag       120
gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtnccccaaa       180
atacataaag caaacattga ca                                               202
```

<210> 2079
<211> 4732
<212> DNA
<213> Homo sapiens

<400> 2079
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tccagcctga gtgttctgca gggaaatgtg ctgtgtaaac actatgccta tttcctgctt        60
ggagaacagg ttttgaggta gagctctcag gggtggggaa gaagcctggc agcccacatg       120
ctataaatgc tgttgtccac ctttatgctc taacttggag gcagagaccc aagcagctgg       180
aggctctgtg tgtgggtgag tttagccaca tccctaggt gttctccagc ttgaggatcg        240
caggcagaga ggaccagccc agcagccaca ggcctgacca aggccaggtt gggaaggagg       300
gcaactcccc attttccact gggaggtgtt tcacagcatg gtcaacatgg atgacctaca       360
aagaccctca tgctttgata tcttccttgg ccagatccat ccctaccagg gactcagcag       420
ggcctaagca gggggagtgg gagaacagac cccaagagga aggaagacct catcactgac       480
tgtgagaggg tcatcacccc ccgatgatca ccttgaaggg tccaggctgt gggccctatt       540
catctctttt cattctcagg tcgctgattt cttggagcct gaaaagaagg taactgggca       600
tatgagggac agatggagtg agtcagtgag tgagtgacct catccttcct cctaacagcc       660
```

1052

```
tgggagggac  agggcaggtt  ttctgcagag  catggaagat  tcagctgaaa  tcagagaggt    720
gaagccagtt  tcccagggta  acatagtgag  gcactgaaag  aaaggagact  gcactgagcc    780
caggtccctg  ggctccccag  agctccttac  tcttcctcct  cctcagcagc  cttgagaccc    840
cacaacctcc  agccggaggc  ctgaagcatg  aggccatgcc  aggtgccaga  tgatgcttgg    900
aattttcccg  ggtgcttcgg  gtcttcccag  cactctggtc  tcgcccgccc  tgcctctcgc    960
tctgcccagc  ttcctgagtc  ctgacagagc  acagtggggg  aagatgttgg  cagaggtggc   1020
agatgggctc  acggccatcc  ctccagcagg  agcagcgact  ggacccagag  ccatgtggct   1080
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ggacgtttgt  gttggaagcc  ctggtatccc  cggcactcct  ggatcccacg  gcctgccagg   1200
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cccaccctca  gctgagggac  acagacccct  tttcaggagg  cccatctgtc  caggccccta   1320
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gctggtgggt  tcctggggcc  cttatgatgg  cgcatcctgg  agagtctgtc  ctcatagtgc   1440
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aagcaagttc  tctgcctgtc  ttgctttcca  ctgaatccta  ggaaattgca  ccatttctgg   2760
caataagtaa  ttgttactta  gatgaatgaa  taaatggagg  agagtctaaa  agtgaattta   2820
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ggaggatctg  gtagcagaga  ccctaggtga  gggaggtggc  ttagagacaa  agtggtcagt   2940
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ggagagaagg  tcttctccag  caatgggcag  tccatcactt  ttgatgccat  tcaggaggca   3060
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gcaagcttcg  tgaagaagta  caacacatat  gcctatgtag  gcctgactga  gggtcccagc   3180
cctggagact  tccgctactc  agatgggacc  cctgtaaact  acaccaactg  gtaccgaggg   3240
gagcctgcag  gtcggggaaa  agagcagtgt  gtggagatgt  acacagatgg  gcagtggaat   3300
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1053

```
gacaggaact gcctgtactc ccgactgacc atctgtgatt tctgagaggc atttaggcca      3360
tgggacaggg aggatcctgt ctggccttca gtttccatcc ccaggatcca cttggtctgt      3420
gagatgctag aactcccttt caacagaatt cacttgtggc tattagagct ggaggcaccc      3480
ttagccactt cattcccctg atgggccctg actcttcccc ataatcactg accagccttg      3540
acactcccct tgcaaaccat cccagcactg caccccaggc agccactcct agccttggcc      3600
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ggcagcagtg aggccttggg gtagaaggat cctccaaagt cacacagagt gcctgcctcc      3720
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taccggccaa gcataatgac agagagaggc agatttcagg gaagccctga ctgtgtggag      3840
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tgactgacat gtacgattca ctcctttgag tctttggatg ccaactcagc cccctgacct      4020
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ctttctgctg atgaacaaat ctgcaccca cttcagacct cggtgggcat tcacaccacc      4140
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tggggatatt tatttatttt ccctgagcct atatcttcat ctgtgaaatg gggataaaaa      4320
tacttgttgc tgtcacaatt attaccatct ctccagctag caaaattact accagagccg      4380
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cttttaatac agtttattat gtactattca atctttacac aatgtcacgg gaccagtatt      4500
gtttacccaa ttttttataa ggacactgaa gcttagagga gtgaaatgtt ttgagtgtta      4560
tttcagagag caaatggcaa agactggatc caaacccatc ttcctggacc tgaagttcat      4620
gctcccagcc accccacccc tgagctgaat aaagatgatt taagcataat aaatcgttag      4680
tgtgttcaca tgagtttcca tagctttggt tccaagaaac atcacatttc tg             4732
```

<210> 2080
<211> 386
<212> DNA
<213> Homo sapiens

<400> 2080
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tttccaaaag tgttctttta tttctagtaa catatattgt ataaatactc tattttatat        60
gcacttccac aaaagcgata taatttaaaa gttttttttca ttagaaataa atgtataaaa       120
ataaatatgt tattataggc atttattact aactatagtc cttcttggaa ggaacaccca       180
aaccaatact tataaagtac atgtaattta tagtaacata ttttactata tacatatgga       240
aaaaatcata ttctcacaga agagctgaac agacattcac caggatacga ctgttggaca       300
agctgctgga gatggacctg ctaccccctca gcagcctccc caccacaaga caagtgatct       360
caatgtcccc aaacctgtgg gaccct                                            386
```

<210> 2081
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2081
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gaatttnana gcattaagtg cattttattt tattgtatta gcacataaat tgatgaagcc        60
acatggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat       120
atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaaggt       180
```

1054
```

```
agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag      240
caaacagcag taacatgggg actttaantg aggcaagaga agggattcag                  290


<210>   2082
<211>   551
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2082
gttcataacc aacaatataa accgtggtct catgtaacac ataaacaatt catgcctttc       60
atagtttatt attattaaag tctaaacaaa attgcaattt cttaggtaac cttatattta      120
caataaatga agattaccct caaatgctag aagctgtcta ggtccgtccg gtgtgtcaga      180
ttttcctcag attagatgtg ccaataacca agtttattca gtaaacaact tgtacttgtt      240
tcatctggtt ttattactct cacccataaa cagtaatgac tctctgaccc tctggaaata      300
tgtaatgctt ccaatcttgc tttgtgtatc tcatttaatt tgttataagg tagtactgat      360
tttagcatat taatgcgatt tcttccntgt tgtttgcttt ggnctgtgtt caatccngag      420
ggccttaaat tgtccattat tttggggagg aaaacccgta tttttgttag gttacatatt      480
atggaaattt cacttcaggg ggaactgctg ggctnccgtg gcttggtttc ntaggtactt      540
ttccgtgccg g                                                           551


<210>   2083
<211>   369
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2083
gaacttgcca ccttatgccc ggccccgatt cctcaggctc caggagtctt tggccaccac       60
agagaccttc aaacagcaga aagttcggat ggcaaatgag ggcttcgacc ccagcaccct      120
gtctgaccca ctgtacgttc tggaccaggc tgtaggtgcc tacctgcccc tcacaactgc      180
ccggtacagc gccctcctgg caggaaacct tcgaatctga gaacttccac acctgaggca      240
cctgagagag gaactctgtg gggtgggggc cgttgcaggt gtactgggct gtcagggatc      300
ttttctatac cagaacntgc ggtcactatt ttgtaataaa tgtgggctgg agctgatcca      360
gctgtctct                                                              369


<210>   2084
<211>   342
<212>   DNA
<213>   Homo sapiens

<400>   2084
tttttttttt tgatgatttg gatattatta ttacaaagaa tttaaatata caagtttggc       60
tatgaaagac ccagctaagc cacttaggca aaagtctatc tttgatgtca tagtttccaa      120
gaagtatcat aagagtcaaa cagttaaaca tttctctgtg ctttttttc tattttctag       180
aaatgttgta gagagaagct catcaactta cttatacaaa tcagatatac tgaggagggg      240
agataaactg acatttccat attttataat ataatgtgga aagattcaga aatgactgag      300
aagatacagt gatatgatat ttaaagcaaa tattggcata tc                        342


<210>   2085
<211>   440
<212>   DNA
<213>   Homo sapiens

<220>
```

<221> misc_feature
<223> n=a,t,g or c

<400> 2085
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gtttattaaa ccagatttat tctccacaag ctgaagatac ctgaggttac atgaggactg    60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt   120
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaaggtg cccgggctgc   180
aacacagcct tggggagga tgaggccaca taattctctc tgcccacact ctcagaatgc    240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg    300
gactctccaa aatgcagacc caaccggang ccgggcccgc ctttccatct ggaggcactg    360
cagggcttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg    420
atgcgcagcc ccggggcttt                                                440
```

<210> 2086
<211> 1806
<212> DNA
<213> Homo sapiens

<400> 2086
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agggaacatc tcggggagcc tggttggaag ctgcaggctt agtctgtcgg ctgcgggtct    60
ctgactgccc tgtggggagg gtcttgcctt aacatccctt gcatttggct gcaaagaaat   120
ctgcttggaa gaaggggtta cgctgtttgg ccgggcagaa actccgctga gcagaacttg   180
ccgccagaat gctcctcctg ttgctgagta tcatcgtcct ccacgtcgcg gtgctggtgc   240
tgctgttcgt ctccacgatc gtcagccaat ggatcgtggg caatggacac gcaactgatc   300
tctggcagaa ctgtagcacc tcttcctcag gaaatgtcca ccactgtttc tcatcatcac   360
caaacgaatg gctgcagtct gtccaggcca ccatgatcct gtcgatcatc ttcagcattc   420
tgtctctgtt cctgttcttc tgccaactct tcaccctcac caaggggggc aggttttaca   480
tcactggaat cttccaaatt cttgctggtc tgtgcgtgat gagtgctgcg gccatctaca   540
cggtgaggca cccggagtgg catctcaact cggattactc ctacggtttc gcctacatcc   600
tggcctgggt ggccttcccc ctggcccttc tcagcggtgt catctatgtg atcttgcgga   660
aacgcgaatg aggcgcccag acggtctgtc tgaggctctg agcgtacata gggaagggag   720
gaagggaaac cagaaagcag acaaagaaaa aagagctagc ccaaaatccc aaactcaaac   780
caaaccaaac agaaagcagt ggaggtgggg gttgctgttg attgaagatg tatataatat   840
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tttttatgtt gaccatcagc ctcgtgttga gccttaaaga agtagctaag gaactttaca   960
tggtaacagt ataatccagc tcagtatttt tgttttgttt tttgtttgtt tgttttgttt  1020
tacccagaaa taagataact ccatgtcgcc ccttcccttt catctgaaag aagatacctc  1080
cctcccagtc cacctcattt agaaaaccaa agtgtgggta gaaaccccaa atgtccaaaa  1140
gcccttttct ggtgggtgac ccagtgcatc caacagaaac agccgctgcc cgaacctgtg  1200
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tgtggcattg gcatacttgc ccttacaggt ggagtatctt cgtcacacat ctaaatgaga  1320
aatcagtgac aacaagtctt tgaaatggtg ctatggattt accattcctt attatcacta  1380
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gtcggagcat cagaacaagc gtctagactc cttgggaccg tgagttccta gagcttggct  1620
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ctgtagatgt atatatggtg ccccttctgat gctaagactc cagacctttt gtttttgctt  1740
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1056

taactc

<210> 2087
<211> 2304
<212> DNA
<213> Homo sapiens

<400> 2087

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gcagagcaca tctggtgtga gagagctcgc tgcaagggtg aaggctccgc cctatcagat     180
agacaaccag gccaccaaga ggcccagccc tccaaaccct ggatttgcaa catcctcaaa     240
gaacagcaac gggccttgag cagaattgag aaggaaatac ccccacctgc cctcagccgt     300
taagtgggct ttgctattca caagggcctc tgggtgtcct ggcagagagg ggagatggca     360
caggcaccag gtgctagggt gccagggcct cccgagaagg aacaggtgca aagcaggcaa     420
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cggaggcagg agcggcggcg acggcggcgg cggcggcggc gcccgagcac ccgagggggt     960
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aggcgctgtg ctatcatgat ggaatttcat atctacagat agagagttgt tgtgtacaga    1860
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acagattgtt tctatacaaa tataaatctt aaaaagttgt tcaactattt tattatccta    2220
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<210> 2088
<211> 327
<212> DNA
<213> Homo sapiens

<400> 2088
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gcagctggag ggaggagctc cagcccaaac tccaacgttt gcattttttc cttttcacat   180
acttacaaaa gaggggagct gggacgcggt gtgggagctg gggggctttg tggctgagtg   240
tgtagaaaag agagaggctg tttccctgga cagtctggct cccgcagtcg tgcgggccgc   300
aggggaggt gtacctgggg cagatgc   327

<210> 2089
<211> 418
<212> DNA
<213> Homo sapiens

<400> 2089
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ctctcaagaa aaagaaaag cgaaaggatt gttcttcaag aaaacttcct gtgtgtatca   180
aattcaacca tattttaaag ctattctgac tgtgaaaatg agcattattc ataagttgcc   240
ttaaaaaaat tcaaggtagt ttggtttta ccactgtatc aaatagtact tggcttccta   300
ttaggaggtg ggtttataat aaaaagttat gaaacattga taatttattt ggaatgcttg   360
aaactctttt caccttaaaa gtcactgttt ttttcatgtt tcatttgatg atagatcc   418

<210> 2090
<211> 382
<212> DNA
<213> Homo sapiens

<400> 2090
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ataatcttat tgtgtagcac ggctgtgagg ctcattgttg aatgaagcat ccttaggcag   180
cacgtgactg catgcagata tgtgtgctga aagaactttg ccttttaac taaattaatg   240
gacccaggaa cagaacttgg tcttttactt gccattcatt gtccttcata agggatggcc   300
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ttactaccca gagtatacac at   382

<210> 2091
<211> 409
<212> DNA
<213> Homo sapiens

<400> 2091
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attaataat aataacatag ccagttagat tgtgacaagc ttttcctttc cttaaaaaaa   120
gaaaatactt aaaaacacac aatggcgggt taaataaata aaacatttta aaaagaaaa   180
aagaaaagaa aaacctgtta aaacatgctt atgtttactt ctgtgaaact gtgccaacag   240
gaaatgtggt atttggcacg atgacacatc ccggcatgtc tccttcccaa acaatactga   300
caaaaaagaa aatacgtggg actgactcat cggtgcttgc ttagaggcac tactaaaaat   360
ccctttgatt ggagcatggg gcttcccgcg cagacacctg tgtgtggcc   409

<210> 2092
<211> 1757
<212> DNA
<213> Homo sapiens

<400> 2092

1058

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ggactgtgac gacatctatg cccagggcta ccagtcagac ggcgtgtacc tcatctaccc   180
ctcgggcccc agtgtgcctg tgcccgtctt ctgtgacatg accaccgagg gcgggaagtg   240
gacggttttc cagaagagat tcaatggctc agtaagtttc ttccgcggct ggaatgacta   300
caagctgggc ttcggccgtg ctgatggaga gtactggctg gggctgcaga acatgcacct   360
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ggcacctggc cctccttgc tcccctgctg atggtgtcct accccgaact ccaaaaatta  1680
cacctggagt caggtgcaga agggaacctt gtatttcaca ggcctcattt tgatggcaaa  1740
aagacagtgt aataata                                                1757
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<210> 2093
<211> 290
<212> DNA
<213> Homo sapiens

<400> 2093
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tttttttttt tttttttggc accaaattag aacaattta ttatttaaca taataccaat    60
gtatatacat tatcctccca aataagaaac aatttgattc caaagtttaa aatgtagttt    120
ccaaaatgaa cccttgtaaa tttgaagaaa aagaaagaaa gccctgcaag ttacacaaat    180
tttgatccat gactaaaata ggcaccctgt accaatcacc tttctcatac aaaaatgtat    240
attataaata aaactttcaa aaaagatctt ggatgtttta ttgcacatca              290
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<210> 2094
<211> 150
<212> DNA
<213> Homo sapiens

<400> 2094
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tttttcctt gtataaatta ttttatttat tattgtaatt agatcttcac aaagttgtct    60
tttcactgtg ttttgtcaac gtgaaattaa attgtagtta taagcaaaag ttggttgcct   120
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agggaacaat tgtatattca gtttaacaga 150

<210> 2095
<211> 547
<212> DNA
<213> Homo sapiens

<400> 2095
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ttacaattaa acatgtaaca ttattctctt gtaaccaatc ataataacat actttgaatt 120
tttgaatggc tatataattt cccagaaaat aaaattttca catcatcagt tacagaaaat 180
tgatttcctt ccatcaaaat attttatctc tgctctatca aaaataaatg ccaagtctaa 240
ggtactacac agtttaagat aagccttcac tacttgttta aattagagga gtgtggggag 300
gggcttacca aatgatgaat aaactactgc ctgagaataa agccctcaca cataagtaac 360
agctctgtca agcctctggt caccaactaa ttattaaatg gctctctagg aacttagaaa 420
ctcttctgta acccagccaa aaggcttctg agagtcatca caaactggtt accagtttat 480
tctcaaaaac aaatttgctt attcgatggg cgactgtggc tcaaaagatg tagggggaaac 540
agtcaat 547

<210> 2096
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 2096
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ttaggctaca aggtttaaca taaaaccaat ttacaaatgt gaaaagcagt agtggtccaa 180
tattcaccat tacacatgaa tctgtttctt ccagaatttt ttaaaattaa aattttagta 240
tcgtgaaata ttaaaataac accccaaaca tgccacaatc actattcaca aataaagtta 300
aaatggaata tacaaaaatc cacttaatac tgttaaataa caacaataaa ctacaagatt 360
tcctgaacag aaatggtagg acccctgaat ttttacagtg aatttcagga aaagaaatta 420
agttatgact attttcatga 440

<210> 2097
<211> 353
<212> DNA
<213> Homo sapiens

<400> 2097
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gaaactaact ggtaaagcag agtaaatccc attctatatt atagcactac aaacatcctt 120
agtcattcct tcatttgttc attcattcat tcatgcattc agtgagtatt tcttaagctc 180
ctacagtgta ccaggaggca ctctgttcat tgtggcatta caaagataaa gattaaggca 240
cgtactctgc cctcaaggag ctcccaatct aattgtgcag agagatgtaa aaatgaagca 300
tgaaactcca tcgtgaggag cgccgagaac aaaagtctgc tcgaagtgag gca 353

<210> 2098
<211> 434
<212> DNA
<213> Homo sapiens

<400> 2098
tttttttttt tttgcatttt ttaaatggct ttattaaagg ctacaagtat aaaatatgac 60
taagttacaa gtcgtcagta agaatttatt acttttgaaa atgttaatta aagaaaggga 120
gacgcaaaga aagggaggct cttcctgaaa tccacacagg ggggtgcggc tcagacgggt 180

1060

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gacagacccc cgctgttccc agtagggcag caccccaaa cccaggggc caagggaggg     240
gctcccagat gaaacagagg ctggttgctg atttcttggg ggaacttttg taaaaatgaa     300
gacactgaat ccttgagctg aatcccaggt gcagagactg gggggaggtg gagaatccaa     360
aatcatgctc aggtttctcc tgaaaagtgt gtattttcta aaaaataaat ataaactcct     420
ggtttgagaa actc                                                        434

<210>    2099
<211>    418
<212>    DNA
<213>    Homo sapiens

<400>    2099
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acaataacaa aagcccttca atctcgccaa gttcttaacc agtgacaata aggcaacttc     120
catgattgcg tctggctggg gatgattcta aagggtcagg aaagtgaaaa gacattggcc     180
aaaaagagaa gttgcaggga gggctgacat cctacatgag aacacagcag acttccctct     240
ggcccctcac cctatcaccc cttcaattta gaatctcccc ccaatctaca aagatccttc     300
ctgaatttcc tcagatgcaa tctcttccag aaagctttcc tgggtctgct ctagctgcat     360
atgacttttc attaacatca cgcacacttt ctcattcctt ctccgatcac tttctgcc      418

<210>    2100
<211>    327
<212>    DNA
<213>    Homo sapiens

<400>    2100
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gaaaagacaa agtaaatatg tttttcattt tatagaacca ttcagtagta atgtaaccat     180
tcagttaacc actggttaac tgttatgata actgaatgtt aatcagttaa ccattcaaaa     240
ctaaccattc agatttctct atacatgagc cacattatta atgtgatctc taaatctttt     300
ggtaagttaa aatattcgtg tttatta                                          327

<210>    2101
<211>    499
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<223>    n=a,t,g or c

<400>    2101
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aaacaagtga aaggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataggg     120
tttctgcgcg gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca     180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa     240
tcctgcagtg tttaaggaac tcttttttg taaatcacgg acacctcaat tagcaagaac     300
tgaggggagg gcttttcca ttgtttaatg ttttgtgatt tttagctaaa gagagggaac     360
ctcatctaag taacatttgc acatgataca gcaaaggag ttcattgcaa tactgtcttt     420
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tgtaagtgtt cagaaaacg                                                   499

<210>    2102
<211>    300
<212>    DNA
<213>    Homo sapiens

<220>
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1061

<400> 2102

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caagtagatt ttcaaaagtg ctccagaaag gccggaatag tcatgtagtg gatgaaaagg   120
gcagtcacaa aactgcttaa gaccagctgt cttgccagta attgcagtgc tttaagattt   180
aattaaaaag ccgcctgcct ttaacccaag aacacttggt attagggcac catgtcttgg   240
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<210> 2103
<211> 469
<212> DNA
<213> Homo sapiens

<400> 2103

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tttgtttttt gttttttaga tttcaaggca aggcacgtaa tgtggacatt atatcttcgt    60
gcaaattagg attactggaa agagtatttt taattaaaat tttaagagac atagaggcaa   120
aatgtgtctg cccatgcaca ctatggatct gtcaatacaa gaaatttgtt gaacaaggct   180
aatgtctgaa agcaccatgc aagttttcag caccctgatt acatttgttt tctcaagagt   240
gcgtttttat atcctacacc ctggcgttcc cagtttgtaa actgtaagct ttacccttgt   300
gacatggatt tgcctgcctc tttgtctcta taatgcagat tttatagaac cttttgtaca   360
ccctatgggt tcttgatgca accagtaatt ttaaataaat aaattctacc tccaaggagg   420
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<210> 2104
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 2104

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ataaatatta gagtataaaa cttgcgtgag acacaggaag agggtggggt gggagctacg   120
taactatgcg aagagaagcg cttataggag angtcagtac ggnggagggg ntcgccttag   180
ccagtggaca cagcacaaaa cacaacacgg ccgccgcgg cagatcaang acagacggct    240
gcncggaccc nccgcccgct gcccacccgc catcacgtaa aagcacaccg cantacacta   300
ctggc                                                               305
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<210> 2105
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 2105

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cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgtc   120
gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct   180
tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga   240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa   300
gccacgactt ctacttccca ggttgattca gtcccgacgt ccagaagggg tccgcatgta   360
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<210> 2106
<211> 3890
<212> DNA
<213> Homo sapiens

<400> 2106

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ggctgtacca agactcagac tcgcaggcgg tcagttgctg tgtatgggca gtatggaggc    180
cagccttgtg ttggaaatgc ttttgaaaca cagtcctgtg aacctacaag aggatgtcca    240
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aagcgctcct tttttagatc ttcatcatct tcttcacgca gttatacttc acataccaat    720
gaaatccata aaggaaagag ttaccaactg ctggttgttg agaacactgt tgaagtggct    780
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1063

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<213>  Homo sapiens

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1065

<212> DNA
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<400> 2113

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<400> 2116

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1068

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1069

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1071

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1084

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1088

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1091

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1093

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1126

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1127

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<400> 2121

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1129

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<210> 2127
<211> 451
<212> DNA
<213> Homo sapiens

<400> 2127

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tgagacagga ggtaacattc tcatagactt tgcaactcag ccagaagtaa aactcgaaat      120
aaatatgtca tttaaagtaa ctatgaaggt aataataaaa ggagtgttgt tagtactaag      180
aaggttttca atgcagggtc caatagctat atttacatat acagaaaaaa tgaaattagt      240
tactaaacat aacaaaaaaa acttggtata cctatagcaa tgcatattta ccaaaaactg      300
gtgaaaaata tattgagaga tatgttaaat atttgctgaa aagaaaacta cttgtctgta      360
tgtgaaaccc catgaatcat tttacacatc aggaccaaaa aactaactcc ttttattcct      420
caaaaatcaa aagtggtctc atctaaccca a                                     451
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1130

<210> 2128
<211> 435
<212> DNA
<213> Homo sapiens

<400> 2128
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taggcggtga agttaagagc aatgttttgt gggcagggtg gatctcacaa agtacattct   180
caagggtggg gagaattaca aagaaccttc ttaagggtgg ggaagattac aaagtacctt   240
cttaagggtg ggggagatta caaagtacat tgatcagtta gggtggggca ggaacaaatc   300
acaatggtgg aatgtcatca gttaaggcta tttttacttc ttttgtggat cttcagttac   360
tttaggccat ctggatgtat acgtgcaaat cacaggggat gcgatgcttg gcttgggctc   420
agaggcctga cacat   435

<210> 2129
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 2129
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tttcnngggg agaggtggag ggcagatgtc ctgggcaaac cgggcccctc tgcccacaca   180
cctcacttga tccttttgcc aaacttgtca aactcagggg aactggcttc ccagttgccc   240
ctttgccata ttccaagtcc ccctcagact tcatgtctct gctcatcagc actgtcccag   300
gatcctgggg agggagaacc cctggcccca tgggaaag   338

<210> 2130
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2130
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ccagaaccac aggaggccgc ttctcagcat gcccaacgaa catacatcat ccccaattcc   180
catttaaagc tcattaatgt ctacaaaaca gaatccacgt tgccttccca gaaaacagaa   240
ctaggaaccc agtcaaagcc tcca   264

<210> 2131
<211> 424
<212> DNA
<213> Homo sapiens

<400> 2131
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taatcattat aataatttgt gagtataact tttacaaata gttacttgac atataaaaag   120
ggaaattact gtgcatataa aatttatgta gatgaatatt ccacacaaca caatcctgat   180
agcagtagtc aacgcagcac tcatccctcc agatgagggg ctcctcacac acttcatggc   240
acccgtggga acacagtgga agcagatgtg caatgaacat ttacttggca cattagtata   300
atgggtatct attggcaaac acacacttgc taacagcaat actgaaaagt ttactgctac   360
ctctgagatt taaagaaat gcctggatcc tatcccgacg gctgagaagg accgaggctg   420
aggc   424

1131

<210> 2132
<211> 466
<212> DNA
<213> Homo sapiens

<400> 2132
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catgattcac cacatttgtt ctttgcagat tattgctccc ccagagcgga agtactcagt     120
ctggatcggg ggctctatcc tggcctctct ctccaccttc cagcagatgt ggatcagcaa     180
gcctgagtat gatgaggcag ggccctccat tgtccacagg aagtgcttct aaagtcagaa     240
caggttctcc aaggatcccc tcgagactac tctgttacca gtcatgaaac attaaaacct     300
acaagcctta cttctctgtg tggggctctt ttttcctggg ctatgtctca tacacagtgc     360
taaggacttt tcacacatta cttttaatcc atgcaatagt gctctaaggt aggtgctatc     420
attataccca tattacagat gaggaaattg aggctcagag aagtca                    466
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<210> 2133
<211> 4763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2133
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tgtgtcggcc ccgctcccct ctcccccacc aggcgagcag gcgagcgggc agagcccgcg     120
gcggaggtcg gcgcggctcc ggggttcatg gtgacgaggc ggcggccgct cgagcccagc     180
ggcggcgggc ggcgggagct ggggcgcggg cccgggccgc ctctcccaga gcgcggggcc     240
gggcggcggg cgcgcccagg cagcggctgc gagcgccccc ccgcgccgcg ccccccgcgcc     300
ccccgcgccg cgcccccgcg cgcttggctt gcgggggggcc gggcctgcgg gcggccgccg     360
cgccgcgcac ccatggacgg cccggccatc atcacccagg tgaccaaccc caaggaggac     420
gagggccggt tgccgggcgc gggcgagaaa gcctcccagt gcaacgtcag cttaaagaag     480
cagaggagcc gcagcatcct tagctccttc ttctgctgct tccgtgatta caatgtggag     540
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cagaagccac cagctaagta ccttcttcca gaggtgacgg tgcttgacta tggaaagaaa     660
tgtgtggtca ttgatttaga tgaaacattg gtgcacagtt cgtttaagcc tattagtaat     720
gctgatttta ttgttccggt tgaaatcgat ggaactatac atcaggtgta tgtgctgaag     780
cggccacatg tggacgagtt cctccagagg atggggcagc tttttgaatg tgtgctcttt     840
actgccagct tggccaagta tgcagaccct gtggctgacc tcctagaccg ctggggtgtg     900
ttccgggccc ggctcttcag agaatcatgt gtttttcatc gtgggaacta cgtgaaggac     960
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tacatcttcc atcctgagaa tgcagtgcct gtgcagtcct ggttcgatga catgacggac    1080
acggagctgc tggacctcat ccccttcttt gagggcctga gccgggagga cgacgtgtac    1140
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gaggatactc cgtgctccag gccacagggt gaatgtggcc atgcctacct gttttgtttt    1320
tttaagaaca gaaacaacta ttttaaaaga actcttttaa gaaatttcat aaagggacat    1380
gcattttact gggtttgctt ttcttaaaac ataccaaaaa agaaaaaaat agaaaaaaaa    1440
aaaaaaaaag ctgatctcta tcagactctt caactgtcct ccctccaagc agaccacctg    1500
tccccttcta tcccagctca gagcagctga cccaactcag aatctctttc ctacaggatg    1560
aaagtgcctt ttgaatgtta tttttaagcc gagagttaat ttttctacac aacatatttc    1620
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cagacatctt ttagtctttt attgtcttag atactataag aagatgaaca tgacaatttt  1680
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acaggagcct gtcccccaac aggtgtgact gctctgacaa cctgtggcat gctgcagggt  1800
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tttggaatgt atctgcaatt gtgtggctca acactttagg aaacatagat tattttatat  1920
tattatttct gatggtgaca agtttgtctt gaggtcacat tttctccttg aaaagtgaca  1980
tcctgtcact tctgctctca cactactgcc atacatttgt gttttttttgt tgttattgtt  2040
tgggtagagc agttacaaga aaccctaaaa cccttggata taaaagaaat ctgtttattg  2100
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cagaggtgtc ccatcccatt gcagcctcca ccacctgtaa ccccttcctg gcattggcca  2340
ctgaagggta caaaggcaaa aggaccacag caccacttag gtgtagcatg gattttaaac  2400
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ctctgtgggt tggtcttcag ccagcattct ggtgggagtg actggcatta acaagactgg  2820
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gctgccaatt acatcctccc aacagcactt tggtctgtga ctgctgtgtg atattcagaa  2940
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atccacatgc caattcaaat agaacagccc cttgctagat attaccacag ataatgacag  3060
tacatggtag aactgcccat gccacaaata tttatttgga aaagtagtca ttaaatgaac  3120
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cagaattagg ccctaatgag agccttagac cctcaaccat gcccccttcg ttggcatcac  3240
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gagctgttag ggacgggccc agctcctgca cacggacaca gaatgtctgg agagggcagc  3480
aggcctctga gggttctgga atctgtgcca ccttatttga ccacactcca aaattctgtt  3540
tttatttttaa cccttgaatc tgctttatgt acataatcaa aatatctata tctatatcta  3600
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aaggccaaga aatgagacga atgtttgggg tttatgtttt ttaaggtaaa tacgggtatt  3720
gttttaatt attaccatgt attaaattgt gggctttgaa acctaatgaa acctgttagc  3780
cacttctctg tgccatatac ttcccatgtt accaaaatac gcccaactct ttagccaaaa  3840
gagaacnctg acctcctgag tttccatgct cctttctgtc aggtttaaat gtagtcttct  3900
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ccactatgat gttattactt ctctggccag gcctccagtg gaagtgcaca ggcactccca  4020
atgttgttaa tgctctgtct tccatttgtt ctggaatcct acgtgttggt ctgtggttcc  4080
atgcattagc tgtttgtaaa taatgcattt gcatactgaa aaaggaatgc cacctgccac  4140
agttgatggt gagaagctcc tttgacgtgg tgcaattttg atgagatgtc tctggggaca  4200
cgaggatgcc ctaatgatgc tgacttgtca tggttgcagc atttgaactt ttggtgttaa  4260
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1133

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aaaaaaaaac ctgtaagtct gtaacctggc aacattttac aaccctgtat ttttaaagat    4320
ggctttctaa taaaaaatcc agaaccacac agccctatgg tcaaacaatc ctacgtttgt    4380
gcctctgctt ttaaaggtgc tgtgctggac agttggcatg ccagggttcg agaagagtga    4440
atggcttgac gtccttgcag ttaactgtgc aaaattggct ggctgcctct gttcctactg    4500
tactgtaact ttgatcatgt ctgttcctat tccattctcc caggagcttc tctgcagact    4560
gacacaccct cccccacccc gggtagtgga gatgctggtg tctgggtagt catggatttc    4620
tgctgacatt tgaatgtgat aaacaatcca gcattactta ggaaatgcta catgcggaat    4680
gtgcacgttt ccaggggcga gtattgtcaa tcaaaaggtt tgcaatgatt ccttcctgc     4740
caaaaataaa catgtgaaac tgc                                            4763
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<210>   2134
<211>   473
<212>   DNA
<213>   Homo sapiens

<400>   2134

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gctttcggtg gttccttggt gactgggaat tgcttgtgtg catgtgttgg gtgcatgctt      60
ccgggtctca gctgccccag gcccgcacag gcaacccctt cccatccaaa gccattggtg     120
gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt     180
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata     240
attccgaagc cacgtttcat ctttcctgga tcactacagt gaagtattac acgttgtaca     300
cgttcccagt ctggccttgg cttgctcgga taaaactttg tatgtatttt gtatggcata     360
gattctatat tgtaatgatg tcctatgcaa aaagagaaat taacgaaatt gtaaatttta     420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt           473
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<210>   2135
<211>   1065
<212>   DNA
<213>   Homo sapiens

<400>   2135

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gaattaggca cgagagctcc ttgccagctc tcctcctcgc acagccgctc gaaccgcctg      60
ctgagcccca tggcccgcgc cacgctctcc gccgcccca gcaatccccg gctcctgcga     120
gtggcgctgc tgctcctgct cctggtggcc gccagccggc gcgcagcagg agcgcccctg     180
gccactgaac tgcgctgcca gtgcttgcag accctgcagg gaattcacct caagaacatc     240
caaagtgtga aggtgaagtc ccccggaccc cactgcgccc aaaccgaagt catagccaca     300
ctcaagaatg ggcagaaagc ttgtctcaac cccgcatcgc ccatggttaa gaaaatcatc     360
gaaagatgc tgaaaaatgg caaatccaac tgaccagaag gaaggaggaa gcttattggt     420
ggctgttcct gaaggagccc tgccttacag gaacagaaga ggaaagagag acacagctgc     480
agaggccacc tggattgcgc ctaatgtgtt tgagcatcac ttaggagaag tcttctattt     540
atttatttat ttatttattt atttgtttgt tttagaagat tctatgttaa tattttatgt     600
gtaaaataag gttatgattg aatctacttg cacactctcc cattatattt attgtttatt     660
ttaggtcaaa cccaagttag ttcaatcctg attcatattt aatttgaaga tagaaggttt     720
gcagatattc tctagtcatt tgttaatatt tcttcgtgat gacatatcac atgtcagcca     780
ctgtgataga ggctgaggaa tccaagaaaa tggccagtaa gatcaatgtg acggcaggga     840
aatgtatgtg tgtctatttt gtaactgtaa agatgaatgt cagttgttat ttattgaaat     900
gatttcacag tgtgtggtca acatttctca tgttgaagct ttaagaacta aaatgttcta     960
aatatccctt ggacatttta tgtctttctt gtaagatact gccttgttta atgttaatta    1020
tgcagtgttt ccctctgtgt tagagcagag aggtttcgat attta                    1065
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<210>   2136
<211>   331
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1134

<212> DNA
<213> Homo sapiens

<400> 2136
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tggtgcttta tttatccaga agcatgagtc acatagtaca taaagtattg aatacaaaat 120
tctaaagata aacacaattt ttcttgaatt taaaatatat gggataaatg cttacaaatg 180
gatttataaa cctttcactt ctacttcatt ctcctggctg tgtcttccga agatgagttg 240
ctagttgcaa cattaaaaaa aaatagctcc ttcaaatcct gacactatat gacataaaaa 300
gaactttttgg caaatatttta ttcagattgc t 331

<210> 2137
<211> 253
<212> DNA
<213> Homo sapiens

<400> 2137
tttttgagtt tgaaaggctc tttaatagca agcgaatggt aattacatgg tcggatgagg 60
tcctcactct caggggaggg aggagggagc agaggtggac agggtgcagt ataggattta 120
cactgtttga agcatctaac gaagggcaac agtttttggc aacccaattc acagttttgt 180
aatttacaag agatttcttt gaaaggaaat aggaaggcaa agaaagcaca cataccctac 240
cggcaacact tct 253

<210> 2138
<211> 218
<212> DNA
<213> Homo sapiens

<400> 2138
agcattttca aactttattt acaactgtca cagtgacaaa aagtagtttg gaaaaaaaaa 60
aatgctagtt tctccctgrg cctcaaaaaa gaacagatag aagttamagg gggttcatyt 120
cacaacaggc atttttactg aaatactagg rattyyyyca atamaatcag ttagaaatac 180
acamaaatta cttgaaaaaa aaaaaaaagr gggggcca 218

<210> 2139
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2139
aaaattttta gccaactttt attttatgc ctagaaaaat acatgggacg tttaggacta 60
atgtgctggg caatttgcta cttagtgata gtaacacaat cctgaaaagg caagcacaat 120
tattctgtac nttttnaaaa nntttaattc agcattaaga ccataatttt ttcatattta 180
aggagtatga aaaatttggt gggagtttta aaagctgaat acatgtagcg ttggatcaag 240
gcacatacaa gactggccaa anggcgtac aatgcacctt tgggtttttt tgttgaaaaa 300
aaaaaaaatc ctgggcaacc agaaaangtg gtaatggggt ttttccacna aggtaaccag 360
ctcaccaatt tcnagtaggg aagcccagaa aggaaattgt tacattaccg agttccttta 420
tataatatcn gggaaattgt gacngtaatg gggcagtatt cctgatcctt gtaaaagtaa 480
att 483

<210> 2140
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2140

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anattcggaa cgagggtatt tttaacagga atttaagaaa atattactgg aattaaaaat    60
atatatatat taaacaagaa ttttctttgc tctgtctagc ttaaactact actcaagctg   120
cttaagttct taagtattgt ttgtaatcac caataaataa gtgcatttgt aattcatcag   180
tcattattag cttttattaa aagaagatta cgttttacaa tgtaactata atctcttgaa   240
tttgggtatc ttattaatga gttttaaaga tgtaaaacct aacctttttt aaagctccat   300
tgtcttatgt ttttaggggg ntttccgtaa acatatatct tacatattaa taaacttttt   360
ccaaatcttg gaaaaaaaaa                                                 380
```

<210> 2141
<211> 340
<212> DNA
<213> Homo sapiens

<400> 2141

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gtttaaagtt aaagtttatt tgtattcttt gtaggaatat caataaaaga cctcaaacgt    60
atctatatct gtacatgtac aagaactgtc aaaaattatt cacagaacaa aaataaatct   120
tctttagaac aaacccaggt aatgaaatgc tgatacggat ctcacatacg gaataatcta   180
aatgctacta gcacaaaaat atggctttaa aaataaaata aaatcttggg ttttgttttt   240
ctaaggtgta tttctctttc ttgaaataaa aaataaatta tttagagcta tcattgtaaa   300
atagtcgtgt gttaacacac tcttattaag gccctggaga                          340
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<210> 2142
<211> 284
<212> DNA
<213> Homo sapiens

<400> 2142

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aagcttacac tgagaattta ttggagggct ttgagacagc tcatgtaatg gaaagctctt    60
aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa   120
ggaatcggta gcctctttgg tatggccact atggtggtag acactgtcta cgttgtttgc   180
tgagtcttct ggctttcttc cactcttcct gctcttggac atcagactcc aggttcttca   240
gcctttggaa tctaggactt gcaccagtgg gttggttgcc aggg                     284
```

<210> 2143
<211> 271
<212> DNA
<213> Homo sapiens

<400> 2143

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tcacatgata gtttttaatat ttatttagca gaggggtaaa ttgaaacatc agttctctag    60
accagtcagg aaatgtatgc tttgtgcttt ataagcttac attcaacata gatgacataa   120
gttaccatac tcaaatgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag   180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa   240
tattaacaat taagcttgta tacaatagta a                                   271
```

<210> 2144
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2144

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cacaggaaca attctttttat tgtacattgg agaaatagcc ctgtgtgctg gttcaaggtg    60
caacatacag aatattgaat taagaaaaga gggaacgggg aagggaangg aaacctcttt   120
gaggtccaaa gttgncaaca aaaaatggta aaagatttcc tcacgcaaga nggcattttt   180
gcaaatacca tgcaaaacag gcagctggtg tgccttaaga gaatccctat aaataacaga   240
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1136

```
aaagacactc caagcattcc tgtacgtgga ctcagagcac agagaaaaga aactaaaatg      300
ccttttggat ttcaagatat ttggcactct tgtgattaca tttttttaca gtccattaaa      360
ggggaataaa ctgacataat att                                             383


<210>  2145
<211>  206
<212>  DNA
<213>  Homo sapiens

<400>  2145
tcttctgtaa tatgtgtcaa agatattatg aaaaaaagat tagaagtcct ttcccccatt       60
tttagtaatc ttgatatttt gaaacaagtg agtactaaaa caaaaacaac aataaatatg      120
agcactacag caaacatgac atactgtaat agaattttat tgaaaaaaat aacacgtact      180
tactgaagtt tttttttttt tttttt                                          206


<210>  2146
<211>  3344
<212>  DNA
<213>  Homo sapiens

<400>  2146
gaattccgaa gacgcaaaag cagaaacccc tgataaaacc atcagacttc atgagactta       60
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gttgcctccc acaacatgtg gcaattatgg gagttcaatt aaagatgaga tttggatggg      180
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1138

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1139

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caccttgcag aaggaaggcc ctgccctgcc caacctctgt ggtcacccat gcatcattcc   3540
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```

                                     1142

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agggaaggag acaccaagct caccccttcgt catggaccga ggttcccact ctggcaaagc      3660
ccctcacact gcaagggatt gtagataaca ctgacttgtt tgttttaacc aataactagc      3720
ttcttataat gattttttta ctaatgatac ttacaagttt ctagctctca cagacatata      3780
gaataagggt ttttgcataa taagcaggtt gttatttagg ttaacaatat taattcaggt      3840
tttttagttg gaaaaacaat tcctgtaacc ttctattttc tataattgta gtaattgctc      3900
tacagataat gtctatatat tggccaaact ggtgcatgac aagtactgta ttttttttata      3960
cctaaataaa gaaaaatctt tagcctgggc aacaaaaaaa                            4000

<210>    2154
<211>    616
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<223>    n=a,t,g or c

<400>    2154
cagagcaaat gttttattaa cagattttt tccagtagtc ttgaaaatct cccctggggg       60
agaaaactgg caaaagggg cctgagggtt gttggaagaa atgaaaagta cataggatgc       120
tattttgaaa aactgatttg tcagaagcca ctttatttta acaataatgt gactgcacct      180
ggcacatgag acaggctctg ggcctgtttc tcaatgttgt gaaaagcagg acagtcagtt      240
cccatggagt agattacagc gtgttggaca aggacattcc cccgcgtgaa ggcacactcc      300
atggagccag tggggccacc attcacggtg tgcaagctgt ggccttggag agaacatggg      360
cagggcttcc ccagcctcta ctataccccca gctttactcc attgatcaca acaatgggca     420
cttttttctt tggtgcaaat atttccattt tccaattgag cctagacttt gattttataa      480
aaggaaaaga gaatatctat atatgtaaat atctgcatgt gagtgtatgt gtatatatat      540
atatataagt atatacgctt tatagataaa atattatggt tgcagagcnt ccaatttgt       600
aaaanaccgt ttacta                                                      616

<210>    2155
<211>    228
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<223>    n=a,t,g or c

<400>    2155
aaaataaaca gacatttatt tccagactta tcttttacat aagttaaata cacatttgtc       60
tgaggcactg aaacattcac atacacaacc caaattccca ggntttgtca gcagancaat       120
gttaataaca aatcaagttt ttttttaaaa aaaacagtga acagtgtttt atacaagcat       180
attgactatt tctttcttaa ccttaaacat tctaaacgta aaattgta                    228

<210>    2156
<211>    245
<212>    DNA
<213>    Homo sapiens

<400>    2156
ctttattaaa accttagcat gtctccctga tctgaactat ttgctttctc ttcaagataa       60
gttgtatttt accatggaaa aatacagtat ctaacattac cattcacgtt aaatgaagtt       120
tcctcataac atttatcttt agttttatga agtcatcgtg accaatgtta cagtaatttc       180
tgttagctga ttgtggtaaa caatgtttaa tgtgaaaaga aattaaaact ttcttcatct       240
gttgt                                                                   245

<210>    2157
<211>    449
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<400> 2157

```
aattaccaag acatttatta gttgtcaaaa agctttacaa tcagtttcat gatcagaaaa      60
tagagcaaaa tttcaatatt gttttcttta taaaattgat gaattctga aaagataaag      120
gatcatttga tttttaaaaa tgtcagcttc atcacatgat gttccagaga tctgacccca      180
aaagcttctc aagttttact atccatagtg tccttatttg taactgagac ccatccgtta      240
ttttccatct gangcttctt caggcagttt ataacaaagt gaaagaagtt gggactaaga      300
gagccatcat gggatcttgt cttcggtaat acacttggtc aacctttagg aaatacttta      360
ttctgncaag gaaggtctta ggttactgtc ngggagcngg gtnggctagg gggattaggn      420
tgtttatttc cngggggang cctaaggct                                       449
```

<400> 2158

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gatattctaa gacaaaaaaa tggttaatct tcagattaat aaattaggtc attataataa      60
taaattaatt ttttttaaag ttcagcaacc tctgtccaag tatttacaac aatacttgaa      120
agttccttta caaaacagaa cacattttct tttcacgtta agcatactgg gtatctgtgt      180
ctttcacaac aagcattttt aaaagaaaac tcaatgcaca aatgggttaa ttagtataaa      240
agtgctaagg gctgtttgaa aagttaccac tatagtatac agtcagttat atttgaggca      300
tactacaaca aacttccagc ttattgtgga caatattcca gtagttgttt caaaccattg      360
tttgaaaaaa aaaaaaaaaa atccnggagc tgattagtga tgcagataag aactgcc        417
```

<400> 2159

```
gaccatgcaa nnttctnaat gtatattggt ctgggaactt aaagatggaa acagagaata      60
catagggagc tatgcaacac accaagggcc agtatccaca ataataataa cagtgacaac      120
agcantanta atatacaatg ctataagatt attaaaatct attctataat gcacagagaa      180
gtacctgctt gaagccatta aatatatgac agggtctgtc ttcagtgcaa catatcaant      240
ttgggcantt gaaggggtnt atcaaatata tattttngg ctttcaaaat gtgggggcca      300
aactaaantt tagggctttt cnggataaac cnttaaaant tttaatcgg                 349
```

```
aaaatatctc attaaaaagc ccataaataa taggggagaa gaaagcctta ggtatcaatt      60
ccaaaacagt gattgaaatt tcccaaaata attatggctt ctgtcatctc cagagataat      120
ctggcttggt ttaccccata atctaatttc agaaagaaa gctttatttt aacactcatc      180
```

```
tgaatcaaca ttaaagcctt ttctctcaaa gcgtttattg agaaactcaa atgaatatac      240
tttttgaatt actgtcatca aaagtgtacg gcttcctgtg ctgcttgtgt caaatggaac      300
ctgccctcta aagcactttc tttcctttac ttgcgtggtt tcatgtaagc tgtgctgttt      360
agaacaacat ctcagacttt acaaagaatg acaagaaggc aattgcactt tttagggata      420
tcgccaagca gtttctgttt ctaaaggcc aaaatacaga gtgtgtgtca tttttattag      480
at                                                                     482
```

<210>   2161
<211>   439
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2161
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tgacatttnn ataaaaattt attgaaattt cagtgatgtt ttaaagagag ggggaaaaat       60
acagaaaacc aaagaaccca tcaacaacta taacacaaaa tataccttca tgaatttgtc      120
tttaaaccat ctctcagcac ctgacttttg aactgtgaat atatctctat aggcaggcac      180
caattcaaaa caccgatact gacaacagta gtaaattcca cttcgttttg aggaaatcag      240
agactagcaa atacaaataa caaaagnaaa nttaaaaagt caaaccgcag cctctgccct      300
cccccctccc cacagcaatc tcaggttata ttttaagggn atttggaagt gggngctggg      360
naagtgggca ctccttcccc ccaattttgg gnggaaaata gggggaatag gcacttttcc      420
ccccnctttt tggggggcca                                                  439
```

<210>   2162
<211>   698
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2162
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gctcttgaac ccagaaggcg aaggttgcag tgagccgaga tcatgccatt gtactctagc       60
ctgggtgacg ggagcaagac tccgtctcaa aaaaaaaaaa aaaaaaaaaa agaagtagag      120
acagggagac ggggtctcac tgtgttgcct aggccggtct tgaactcctg ggctcaagtg      180
attctcccac cttgacctcc taaattgttg ggattacagg tgtgagacag tgcacctggc      240
cgaaatagct caagtttctg aaaaacaaat ctgaatctat ttgttattct tagcgtcact      300
ggtctggctt tcagaattaa catacaaggt tgccacacct agttctggcc cagctttatg      360
gtcttttatt ccagtattcc accaaagttt gtttttcctg cattccagtt ctcaagtctt      420
aaggataaag atngtacttg acagtttagt atatccataa aactatttga aggtggttaa      480
ggttccttgg gttcaatttt ccttaaaact ttgcctgaat atnggaagat tgtagggcaa      540
tgaaaaggtc tactaaatta ggaaaacctt gaaataaatt agggatccna ggtaagagcc      600
cctaaacatc aagcaatctg ggagtctgta agaaatnaat attttttgga taatcctaac      660
naatccaccc ngttggaagn ggatccttgt ccttgcaa                              698
```

<210>   2163
<211>   421
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2163

1145

```
gtaggtcaga gacagctgga tcagctccag ccacatttat tacaaaatag tgaccgcagt      60
tctggtatag aaaagatccc tgacagccca gtacacctgc aacggccccc accccacaga     120
gttcctctct caggtgcctc aggtgtggaa gttctcagat tcgaaggttt cctgccagga     180
gggcgctgta ccgggcagtt gtgaggggca ggtaggcacc tacagcctgg tccagaacgt     240
acagtgggtc agacagggtg ctggggtcga agccctcatt tgccatccga actttctgct     300
gtttgaaggt ctctgtggtg gccaaagact cctggagcct gaggaatcgg ggccgggcat     360
aaggtggcaa gttctcagac angtnggtgt agagctgcat aaggtccaaa gcgttggggg     420
g                                                                     421
```

<210>   2164
<211>   257
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2164
```
antttcggca cngaacccct gcggtgcacg nctccctgga caagttcctg gcttctgtga      60
gcaccgtgct gacctcccta cccctccttc taactttatt gctgtattct cttcactcta     120
tatttctctc tatttgctaa tattgcattg ctgttacaat aaaaattcaa taaagattta     180
gtggttaagt gcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa     240
aaanaaaana aaaaaaa                                                    257
```

<210>   2165
<211>   592
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2165
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tttttttttt cataaatatt tatatttttt aatgaaatac acaccaaaaa aaagcacaca      60
tgcagataat tcacaaacaa tcaaatcctt gggaaaggct ctgcatttgt tcaacaaggt     120
caagtgtcat taggagcaca gaacaaccga atgtaaaatt tctttccagg agctttccac     180
gtggttggaa taaacacaat ttagaccatg caaaactctt aatgtatatt ggtctgggaa     240
cttaaagatg gaaacagaga atacataggg agctatgcaa cacaccaagg gccagtatcc     300
acaataataa taacagtgac aacagcaata ataatataca atgctataag attattaaaa     360
tctattctat aatgcacaga gaagtacctg cttgaagcca ttaaatatat gacagggtct     420
gtctcagtgc aacatatcaa atttggcaat tgaagggtat atccaatata tatttttgc     480
ttcaaaatgt ggaacaaact aaaatataag gctttctgat aaactataaa aatttaatca     540
gcattggatc taatgactat cttataatac tcctctgcag tacttcncta gt            592
```

<210>   2166
<211>   143
<212>   DNA
<213>   Homo sapiens

<400>   2166
```
gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc      60
ttgctctctc tctgtcacct cctctttcct gtggctctga ggaggtggga gaagcaggca     120
gtatttccac agcagctgtc cat                                            143
```

<210>   2167
<211>   447
<212>   DNA
<213>   Homo sapiens
```

<400> 2167
tttttttttta taaagaaatt ttattgcata attcttgtat acaataaaca taggaaaagg    60
gtttttaatg aaaattcatg tcatttttca aaagtgttga actgtctgga gaaaaattat   120
tacaaagcta tctaaggcaa aaataatatt taaccatcta aacaaaagat aatccccttt   180
accatttgtt ttgtatttaa agcaagacat tttaaacaca agtaatacgg agaagttttc   240
aaattgctac gtcatttgca ttaagaattt aaatgcatct aagaagtgaa gagtttaaac   300
acatgggaat gttctctagt aacagatatt gctgctttct tcagatccat tctgcttgaa   360
tgtaaggcta tacttttgc acaccaacag aattctggca tcttctaatg gtacagtaag   420
agctggagtg cagagaggga aagtccc                                       447


<210>    2168
<211>    400
<212>    DNA
<213>    Homo sapiens

<400>    2168
ttttttttt tttttttttt tttttttttt tttttttttt ttgggaagaa gccttggttt    60
aattcgctct gtggggacac tgttccgttc agaggcccct cccagccatg gggtggggga   120
cagtggtggg cgtgggaatc ccagcgagca tcctggaggg tgcgtcgtct ccatgtattt   180
tgctcttccc catcttttcc atggggtccc ctgccagggt caagcactaa tatgtggtga   240
aggcagcaaa cagcgtcggc gtccctttag gggtggggaa agggctgtag caccaagaac   300
cccctccccc gcccacgaca tccctgaaaa ggagactaaa ataaagcccc ggggcctttc   360
tacgtagggg ctccacttaa atatggaatg gtggtaggca                         400


<210>    2169
<211>    370
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<223>    n=a,t,g or c

<400>    2169
aagagtttaa cacaatttat tttatgctta aataatcgac taggtcatcc agtgtatggt    60
ttttcataca tatgtcatta gagctatgng tcaatgaatg ctgattttat gngaatataa   120
tcaacaaatt aaagantttc accaaaaccc aaataaaaat gcccctttaaa acacagcagc   180
cttattaacc taatatgaca ctgctagaat ggttacaaat gattggctta ctgaaagggg   240
tctacatctt ntagccagta cacaatacag taataatttt ncagngggct gccattctac   300
tagctaaggg tttctgntca gnccntttta aataccccc g actggggccn tttatgngca   360
ccatncacct                                                          370


<210>    2170
<211>    270
<212>    DNA
<213>    Homo sapiens

<400>    2170
gcagaatata tggctgtaga tccattttta atggttcatt tcctttatgg tcatataact    60
gcacagctga agatgaaagg ggaaaataaa tgaaaatttt acttttcgat gccaatgata   120
cattgcacta aactgatgga agaagttatc caaagtactg tataacatct tgtttattat   180
ttaatgtttt ctaaaataaa aaatgttagt ggttttccaa atggcctaat aaaaacaatt   240
wtttgtaaat aaaacactgt tagtaattcc                                    270


<210>    2171
<211>    267
<212>    DNA
<213>    Homo sapiens


1147

<400> 2171
```
taagatttga ttttctttta tttgtggcac taaaagacag atagctgtga tgaagagcaa   60
ttggctggta gctcgtgcct caccaagagt ttagcaacgt taatcagtga atgcagaaca   120
gcttccattc tacctgaggc ctagatctga gatcgctgtg aaacattaaa gtgacctcac   180
catacttgtt ttctcactca gatacacatt ttatttcatc aacacatctt gatttctatt   240
actttttca atataacaaa atgtttt   267
```

<210> 2172
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2172
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gactttaaat gataaacttt tattctgaat atactgtttt tgcacaagat ttaacacaac   60
attttctggg attataaata tttbataaca gtattataca avtbbbyaca aaatgttttt   120
atcaggctag gtaattttca caaaagtgtc aagrgaacaa aataaagggg agaaaagatc   180
tattgttcac aaaagtcgag ttttttttttt ttttttttttt tttttattc aaattttatt   240
ggaagtttac aaatgtatta cagacatcag taaaacatca tatccatttt acagggcacg   300
gntctcaagc aaagtgttca gaacagtctc tggcagrscc cacaccaaag gcctgttgca   360
gaccttctta acaaatagct tgacactcaa cacagaacac aggctytggc ctgcctcacc   420
ttcccaggcc ctttggggtt ttgtttatgc acttgaa   457
```

<210> 2173
<211> 431
<212> DNA
<213> Homo sapiens

<400> 2173
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ctaaccaaag atatatcttt ggaagaaaat attaatgtat accaagcaca ccttatttgt   60
atcaattgag atgttgatta ccaattaagt ggttttaaac ccttatttaa tttgaagaag   120
agcagcaata tacattacaa tatttgggta cactttattt ttatatgggt taacattctg   180
ctatatttca tttcattcgt tttgagaaac tgaaaacaaa gggaaatcaa gggtaatcgg   240
taggtgattt gagggaaatt tccaaccaat atgtgagtct tgcagtattt cattatacag   300
ccctttcttc ccattatta tttttttgca aataagtcat tttgacccaa atccagcata   360
aatagctttt caccaattcc taacttaaga caactaaaat ttacaatcat gtggcagtat   420
aaattttaaa a   431
```

<210> 2174
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2174
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cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca   60
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac   120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca   180
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg   240
tgttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg   300
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa   360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa   420
```
```
                                1148
```

```
tccatggctc tgagagtgag cacactgtca aagtcactgg ggtgagatga gccgggactt      480
ggaaaaccct ctcttaactt tcagtctcaa ctcctcccac tcc                        523


<210>  2175
<211>  421
<212>  DNA
<213>  Homo sapiens

<400>  2175
caaaagggtg tttactattt ggccaaacaa tatttttaa ttgtcagtca taaagtgaaa       60
tacatactaa aatatatatt aaatattcac caaatctgca ttgctgctac atgaaaacat     120
tttttggtct gttggaaaat gtaattcctg agatcattgt tgggctttgt caatcatttt     180
cctcaccatc aaatcacctt aagtgacttg ggagtgtgaa tctaggatgt tcaattttag     240
accaattttc tctatcttct aaatgagtaa acaggctctg tcttttataa aaggtagaaa     300
aataaccatg gtgtgctaat ttttttcaag gtataccata tggaaaagta taggctgaac     360
acaaaggaag tcttttctga atggctctca atcacacata aggaacatat gttttccagt     420
t                                                                      421


<210>  2176
<211>  247
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c

<400>  2176
catgccttga ggaaagctat ttatttccaa gatatagact gtacttttaa gacaggactt      60
ttcagaagca ggaaatttta gttgttgcca gagaggtgtg tcaaggacac agtgaaagga     120
gccatgcgga catggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga     180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa     240
tatttac                                                                247


<210>  2177
<211>  622
<212>  DNA
<213>  Homo sapiens

<400>  2177
ggcacgagct cgtgccggcc ttcagttgtt tcgggacgcg ccgagcttcg ccgctcttcc      60
agcggctccg ctgccagagc tagcccgagc ccggttctgg ggcgaaaatg cctgcccttc     120
acatcgaaga tttgccagag aaggaaaaac tgaaaatgga agttgagcag cttcgcaaag     180
aagtgaagtt gcagagacaa caagtgtcta aatgttctga agaaataaag aactatattg     240
aagaacgttc tggagaggat cctctagtaa agggaattcc agaagacaag aaccccttta     300
aagaaaaagg cagctgtgtt atttcataaa taacttggga gaaactgcat cctaagtgga     360
agaactagtt tgttttagtt ttcccagata aaaccaacat gctttttaag gaaggaagaa     420
tgaaattaaa aggagacttt cttaagcacc atatagatag ggttatgtat aaaagcatat     480
gtgctactca tctttgctca ctatgcagtc ttttttaaga gagcagagag tatcagatgt     540
acaattatgg aaataagaac attacttgag catgacactt ctttcagtat attgcttgat     600
gcttcaaata aagttttgtc tt                                               622


<210>  2178
<211>  5421
<212>  DNA
<213>  Homo sapiens

<400>  2178
ccgggatccg gttttttttg tttttaaaag tgtaatttcc tttttatttg catctgttta      60
tgactgaaaa aaatgactag ttattatgaa gacactactg ttgaagatgg atattttaac     120
```

1149

```
atggagtttc aacaaaatta cttcttgaga cagagctgat gtgtttttta aataacgtga    180
ttttaagcat atatttgaac aaaactaaaa catttagtat tatgaatatg aaaaaagatc    240
agtaaatcaa tgtactcttc taggctgaat taaggtagac tatttaaggt ttcaaaaaag    300
tttggctggg gcagaataag ttttacaaaa cccatgccat ccaaaattaa gatgacatgt    360
agcagcaaga agtattccaa tgtctcataa ccagttctcg caagcaatgt gtattcctta    420
ctttaaggaa gtgtcaaaca aatagaaaaa tctggaagaa tttactaagt gtaataaatt    480
agaggtaaat cgtaataaaa gaatttatgt ctcacaaaaa tattcacaag tgggagtttt    540
cttttaccaa cttctcagag tccttctagc cccctcttca cttctgaaag atgggattta    600
ccaaaatctg gtttacattt aactttcag ggacacatga cctgaaaaga aagatgtcag    660
ataatactga cattgcctca tgcactttct ttgtatcagt ccttcttctg taagtaatca    720
gaattgggtc caaatggcat agaatcaaac attatgtatc atgccaaata ccacttcctg    780
cccaacaaaa tttcatcttt ctccagtaat gaagaggtgg acattcttgt tggactgtag    840
catctgtgcc gcccgctcca caccaaccac ggcagctaac ctctgggcat catatttgga    900
gtagagaaca gtgcaggtcc acgtggcctc ttctcctctg ttggtggctc tcagcatatt    960
acagatttca ctgtaaaagt gtggatatgt cggcagttca tagaaaatca ggttcctgat   1020
gccttttatt gctgtagttt atttccaccc ccttccctcc tgttttctct ctctccttct   1080
ctctctctct ctctctctct tttttttccg ccctagctgg ggctgtgttg gaggagagga   1140
agaaagagag acagaggatt gcattcatcc gttacgttct tgaaatttcc taatagcaag   1200
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1150

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tttttgtaa ccactgtctt gatggcaaaa taattatggt aaaaaacaag tctcgtgttt    5340
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1151

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<211>   349
<212>   DNA
<213>   Homo sapiens

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aattaccagt acaaagttaa acacattcag atttatttac acaatgctaa agaaatttga   120
gttttatttc cattttgtgg aattttatca tggggtctgg ctttaatgtg taactgacgt   180
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa   240
aacttgggtt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg   300
aaggcagctg tcccacagcc tggggaagga ccacatgctc agaaagggg   349

<210>   2180
<211>   378
<212>   DNA
<213>   Homo sapiens

<400>   2180
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agaaagctca aaggacaaca aagctgcacc ttcctaaagg ctgaccctca aagcaccatt   120
ttgttagaac tcagaggaga agctcgatct ctgagccttc cctcctcaca gtttgggaaa   180
catgcacagg atgaaggtaa atcctgcata gaaatcttgt aattccagaa ttagtcaaac   240
aaatttgaaa tacacacatt taaaaatact tacattctca tttagcgttc atgaagtgat   300
tactgacatt tacaattaca tctgacatca cagagcaagc ctttgcaggg atctaattca   360
agcttaagcc aaatctat   378

<210>   2181
<211>   250
<212>   DNA
<213>   Homo sapiens

<400>   2181
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tatatatact taggaaagct aaacaatgtt ctaaggcact tggaattgtg cacagcaaag   120
tatcctctaa tattatacaa ctaaatagag cagaattttg ctttttaaat aacacaaata   180
ccagtacgga attaaaaaag ggaatacata gtctttcttt caggttacaa tagtggaata   240
caagtacata   250

<210>   2182
<211>   429
<212>   DNA
<213>   Homo sapiens

<400>   2182
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ctgctgagaa agagtgccct gccccacacc ggcagacctt tccttcacct catcagtatg   120
attcagtttc tcttatcaat tggactctcc caggttccac agaacagtaa tatttttttga   180
caataggtac aatagaaggt cttctgtcat ttaacctggt aaaggcaggg ctggaggggg   240
aaaataaatc attaagcctt tgagtaacgg cagaatatat ggctgtagat ccatttttaa   300
tggttcattt cctttatggt catataactg cacagctgaa gatgaaaggg gaaaataaat   360
gaaaatttta cttttcgatg ccaatgatac attgcactaa cctgatggga gaggttatcc   420
aaagtactg   429

<210>   2183
<211>   1486
<212>   DNA
<213>   Homo sapiens

1152

<400> 2183
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gcagagaaga cagaatcaat atgagcacag caggaaaagt aatcaaatgc aaagcagctg   120
tgctatggga gttaaagaaa cccttttcca ttgaggaggt agaggttgca cctcctaagg   180
ctcatgaagt tcgcattaag atggtggctg caggaatctg tcgttcagat gagcatgtgg   240
ttagtggcaa cctggtgacc ccccttcctg tgattttagg ccatgaggca gccggcatcg   300
tggaaagtgt tggagaaggg gtgactacag tcaaaccagg tgataaagtc atcccgctct   360
ttactcctca gtgtggaaaa tgcagaattt gtaaaaaccc agaaagcaac tactgcttga   420
aaaatgatct aggcaatcct cggggggaccc tgcaggatgg caccaggagg ttcacctgca   480
gcgggaagcc catccaccac ttcgtcggcg tcagcacctt ctcccagtac acagtggtgg   540
atgagaatgc agtggccaaa attgatgcag cctcgcccct ggagaaagtc tgcctcattg   600
gctgtggatt ttcgactggt tatgggtctg cagtcaaagt tgccaaggtc accccagggt   660
ctacctgtgc tgtgtttggc ctgggagggg tcggcctatc tgttgttatg ggctgtaaag   720
cagctggagc agccagaatc attgctgtgg acatcaacaa ggacaaattt gcaaaggcta   780
aagagttggg ggccactgaa tgcatcaacc ctcaagacta caagaaaccc attcaggaag   840
tgctaaagga aatgactgat ggaggtgtgg atttttcgtt tgaagtcatc ggtcggcttg   900
acaccatgat ggcttccctg ttatgttgtc atgaggcatg tggcacaagt gtcattgtag   960
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ctgactttat ggctaagaag ttttcactgg atgcattaat aacaaatatt ttaccttttg  1140
aaaaaataaa tgaaggattt gacctgcttc gctctggaaa gagtatccgt accgtcctga  1200
cgttttgaaa caatacagat gccttccctt gtagcagttt tcagcctcct ctaccctaca  1260
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aattacacgt gggagctttc caaagaaatg gaaattgatg ggaaattatt tgtcaagcaa  1380
atgtttaaaa tccaaatgag aactaaataa agtgttgaac atcaactggg gaattgaagc  1440
caataaacct tccttcttaa ccattcaaaa aaaaaaaaag gaattc                 1486
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```
<210>  2184
<211>  327
<212>  DNA
<213>  Homo sapiens
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<400> 2184
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aaaacgaaac caaagaaatt caaaagtccc aaagaaagaa agcaggaaat aataattcta   120
taatccaaaa acgttgggcg atccttcagt tggaggaaga gggcgtcagt taagtagctc   180
acacagtaga tatggagaca ccatatggag atacggagtt aagtttggtg gatactagga   240
attaagttct ccacctaagg caattaattt ttcagccttg agagataatt agtagttcta   300
gaaaaagaaa aaagttgac tgggaga                                        327
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```
<210>  2185
<211>  406
<212>  DNA
<213>  Homo sapiens
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<400> 2185
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atgaaaacag agatctaaaa atttaatgat ttaaaaatag cctctacata caagatggca    60
aagagtaata cagattgaac atttggtttt aaaaatgtga aatgtctcca cttagcgtag   120
atcaatcaag tcagccatct cctaagaaat acacattata caatgaaatc tacaaagaca   180
cacttttttaa cttcaagcgt tgttgatttt cagcaaccct cttcccacat gaacatttcc   240
ttgtaatgta atgtatgact tttaatcttc ttttggcaga gtaggacttt gagaattata   300
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1153

```
atagcagttg ttttgaaaag caccttctat gatcatttat ttccactgat ttttttttaa      360
tcacgctgag atcatgcatt cttgtttttt aaatcctttt ctgttc                     406


<210>  2186
<211>  194
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2186
acaaatattt tacatttatt ataggaatac aataaagagg ttctgcagac acatgagtgg       60
taactggtct attggaaaag aaaagacaat taaaaaatga tctaagttta caaaaatgnt      120
gantcatgct ttaaaaatgt agaaacantt aaaaantatc ctacaatgtt agccaangtt      180
caaagtgtat ttct                                                        194


<210>  2187
<211>  322
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2187
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aacacatttc ataaccagag aacaggtctg agaacaagta cataaaagga ttatttgaca      120
aagttttaac aaaagtgctt acagcttatt tgtttcagat atacagaact gccagtcaca      180
aagagccact aagtgnaaat acagccacaa acttgcctgg ggaagtaaaa tattttacat      240
atttacactg tacatttaaa tggggatatt ctgaaggcat tattattatc aataaactct      300
aaggcaggag gttctcttaa ac                                               322


<210>  2188
<211>  446
<212>  DNA
<213>  Homo sapiens

<400>  2188
ttttaaaaaa aaactacatc tctttattgc agaatttata cttgtttgaa aaatacaaaa       60
tgtagcgttg ataagattga agcatgttga aaggtaagta cagggaaagg tcctttcaga      120
atgactgcaa cagtgcagca aggattccca ttccccgcct aaaggacaat acctttttaa      180
tagaaataaa tgagttagtt agttagattt ttattacaga ttgaattaaa cagttagtta      240
caaagacatt ctctgataca ttcattcata gaggtcttaa cgtataaata catagtaaat      300
atcctataaa atcggtaggc aatctcatcg tgcattatct ttttgtgctc agacttggac      360
ttcacattca gtctctacat acagcttgat tagaatcata aaaacaatat gaagacgatt      420
gcataaaggg gatagtttga ccaaag                                           446


<210>  2189
<211>  492
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2189
tttaaaactt tttctctgca ttttatttta agaaaacaca aacctggtca caaaacatct       60
ttcagagaac aggataagtg aagaaacaaa caaaatgcac gggaatagca aatttggggc      120
cacggtcatg ttcaaggggc ggctgacatg acatcatttt gttcccggaa aagcaaggtt      180
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1154

```
aactcaagct gtgaagccag atggccaata gatttacagc catctaaaga agagcagaat      240
ctctccaaga gctgaattat gatgacttgt aggtattgat tagatgagaa caccaacccc      300
atattcagca gagagttagg ggaatgagaa gtagagggga gatgggtggg tnggagatcg      360
tctttatgta gttttcaaag tcacttcccg aaaaagagga tgagggtaat tagttgaata      420
tgcccagcca cggacntgag ggaccgggag gagtttgatg cgtttnccca atttttagcc      480
nggggggttct ct                                                          492
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```
<210>   2190
<211>   459
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2190
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ctgtggcttt tctttttctg gccacattta tttatttaag caatttttgt atgccttgtt      120
atttcatttc catagagatt atattgtatc agtgtttatg taagctggaa tcatcctcag      180
ttttttgctg ataattttc aaataaagat acatggataa ttgtaaaata cactaactct       240
tagggtgttg tagtagctga aacatggaga tgcgtantgt catgcttttt ctgaatggac      300
aggagaaaca taagctacgg agtaattcac ttctgaggat gcttttccgg aaaaagaaag      360
gctagaaaat actccgcact tcctccagaa ccctctttcc tggtaacggg tatcctttgt      420
tggtgtgttt tgctcntaca ttacagatag actaaccat                             459
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```
<210>   2191
<211>   458
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2191
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caaactattt acataaaaca taagtacaaa aaatataata caatttatac tgtacacaat      120
caggattccc ttgttttgtt cccccacaa atcggcagct agagatggta agaagggggt      180
tggtaggaaa gtgtgactgc acactcagca gtgctgagga tagatcttca gaatgctttt      240
tcataaagat gaatagggtt gagatacaga aactgtcaat gcaccaagag cagtaagaga      300
gcacaacata ttcacttctg taataatagc tatatatttt ttcttataaa cgtgtttgtt      360
tctcaaagct gaggcttgga gcaggtgtga gttgccttcc attgattggt taggtgacct      420
ccgcccancc ctgctccaac ttccatagtt gatccaat                              458
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<210>   2192
<211>   510
<212>   DNA
<213>   Homo sapiens

<400>   2192
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ctataattgg tagaacaggt ttcaggcagg gaggatagga gcatcatctt ccatccccat      120
ccacctccgc tctttatctt gatgtcacac caagtgtgat agcgcctcca gcagtttctt      180
cacagcttca gaagcctctg gtcccagctc atttacacac ttccttagcc cctccacaag      240
gtgctcaaag aaatgcccag agttttcaga agaagcttta atggatccat aaagggaaga      300
atgttgtcca gaggtaaagg tgccaacttg tcaacaggaa ggggcacttt gttgatgagg      360
```

```
aaggcagtag cagagtaact acaaaggctg atggtcacca gcaggaagat agttaccagc    420
ttccatgaca gttactgggg atattttca ggagtttaaa aatcagaaaa actagcaaaa      480
tccaccaagc ccagtggttc cccccgtgcc                                      510
```

```
<210>   2193
<211>   405
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2193
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atgttcatca caaatgagc agataagcca actgtggtcc atccatataa cataattcta    120
ctcagtaaat aaaggcataa actacagata cacaatcaac atgaatgagt tttaatatta    180
ttatgtcgag caaaagtgca agacaagaaa tgagtacaga cagtaagatt ccatttatat    240
aaaattctaa aaaatgtaaa cagtctatag tgtaaaaatg taaatgtcta tagaaaaaca    300
gattaggaat tttctgggga cgagggtggg atggcaggnc ggaggaagag ggagggatta    360
caaagtagcn cgagaaaacc ttttggggta atgaatatat acatt                   405
```

```
<210>   2194
<211>   327
<212>   DNA
<213>   Homo sapiens

<400>   2194
tttttttgaaa atgatattaa ttttattgca tcattttact gactagaacg ccagacttag    60
agtggatata agtataaaaa taaccaaatt cttacaaata atactttgct gctacagtac    120
tgaataatta gtggaggttg caattataat acaactttaa ataacattct cataatgggt    180
ttaacacaat caaccagggg ctaaggttta aaggtttaca aagagaaatc caggacaaca    240
tgaaaactcc caaagttcat attccagcta aatgcttcat ttaaccgtca atccaccaac    300
acaaacatta acaaaactca gagcaac                                        327
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```
<210>   2195
<211>   422
<212>   DNA
<213>   Homo sapiens

<400>   2195
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agctttaaaa atgtatcaaa ttgctatagt caattcctac actccagctt gtagttttct    120
ttgtttcagg attagacaca gaacccattc ttcaaggact cggcaaaagt tctagaaaca    180
aacaccatgg tggtggaagc ggttgcgttg cttcagtgat cacctagatt tggtgtcttt    240
ggtttcagtg ttctggttac tgaaggaatc ccggatcttt acaacttcag ctgcacacaa    300
atgtccaaaa gattttgtgt accattctgg catgtggccc cttaaagtca actctgcaca    360
tgtaggtgag tttggatttt cctggcccac agggttcaat caaatacctg ggacaaagag    420
ca                                                                  422
```

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<210>   2196
<211>   380
<212>   DNA
<213>   Homo sapiens

<400>   2196
gtatagagta aaatttatta tagggttgta gaattcatac aacctaaact ccttacagca     60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaatcactg    120
cattagttaa aaatgactgt ctcatgaaaa ttcgttcaca tataagtcag gttaattaca    180
gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagttg tacaaaatga    240
```

1156

```
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac     300
aatttaaaat atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt     360
aaaggaaaag aaaaaaggaa                                                  380
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<210> 2197
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 2197
attcggcacg agtttcaaag aaaatagatt aggtttgcgg gggtctgagt ctatgttcaa      60
agactgtgaa cagcttgctg tcacttcttc acctcttcca ctccttctct cactgtgtta     120
ctgctttgca aagacccggg agctggcggg gaaccctggg agtagctagt ttgcttttn      180
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg     240
tgtttcaaaa ccatgcctgg tattttcaac cataaaagaa gtttcagttg tccttaaatt     300
tgtataacgg tttaattctg tcttgttcat ttgagtattt                          340
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<210> 2198
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 2198
gatccacctc atatgtgagt ccgtccaaaa gatgttactg ctctgggtgg gccagtgctt      60
ctatatcggt tatactaact tncatttaaa gtatttattc taaaatgcct ctgagaaaca     120
gtaaaaaata aaaacaacaa gttgtctaaa atgcaacagc ttttatagta aatgtacatt     180
tataaataaa atactcaaat ca                                              202
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<210> 2199
<211> 308
<212> DNA
<213> Homo sapiens

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<400> 2199
tttttcaga taaaatatta taggtttatt taaaacttaa ttctcacctt gagtatgcaa       60
aatacaaact ccacaaaatg ttcattttac tttgtagttt acaaatatac aaaatagacg     120
tttgcttaaa tttatattac atatttatta aggcaaggaa ctatatagaa aaacacattt     180
gttctgctta aggcatactt gggaataaac cattgtacaa attattgcac atctgaaacc     240
acagtgcata acagactgtc tgcataaaaa tgctaaagaa gtaaaccagg tatattacct     300
gacttagg                                                             308
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<210> 2200
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 2200
aaagatttta ttgtcttctt aagtcaatat ccctggngaa antangngga taacttgaaa      60
ctggtgacag tgcaacacag accttcagga gctgctttga aggactggcc tgccagaatg     120
cctgctgtta agcagcagcc ccctcactcc ggcccctgca tcttgacaga tggagctgcc     180
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atggtttcag ggacactcag cagggatctg ggttggtccc tcccacatgg accttgtaaa   240
gttgctattc aggggacc   258

<210> 2201
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2201
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acaagagcac aacaggaacc aaagtaaaag agtaatagat acagcactca ggataaatca   120
tatctttaaa ataataataa aaaaatttac accttgtcct atatcctgtt agtattttca   180
taatatggcc atgattgaaa aaacaaaaag caagcatcta caattttttt tgataaagac   240
tttttatgcc aggaatggat taattaccaa caaaatttat actaatcagg ctgatgtcaa   300
tctatttttg taatgtatca ttaacaaatt tattttggaa aagataaaaa tattgctcct   360
tgataataaa tcnt   374

<210> 2202
<211> 366
<212> DNA
<213> Homo sapiens

<400> 2202
aatttaacaa gttgatatat atatatatat atatatatat tatcaagtat aacacagtca   60
tacaaaaaca tttagtagaa atataattca cacataaaaa cagtctactt attttttgtc   120
ccttttatat cctatttttag gcaaaatgat aaaacccaga aaataacagg aatgtactag   180
tcctaaaaac tggacctttt ataaatgaaa cagatccgat cacctatacc ttctctcaaa   240
ttccaaataa tgaggcttac tgacctgtac tctcagaatc aacttaaata cattttagct   300
tgatttggat gaaatatgta ctttcagttg ttgacaatcc aggtagaaca agtacataaa   360
atgatt   366

<210> 2203
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2203
aaattttaga atattttaat gtccatttct tcagtgaatg cattttgaaa ttattagaat   60
taacaattta aaaagagcag ataaaaggat atatggaaaa tgcaaacagt cggttcttgc   120
taattcaatt tcagattcta ggcatgatgt gattttccaa caaccaatt aaaaaaaact   180
ccttacctcg aaaatctaga aattcaaatg cagacgtgtc tttggaaact acaaatgatt   240
acagcccatg tgacaggaag cacgcggcct tcggctctcc ggntcgtgtg caaatgtgca   300
gggggagccc ccgcgggt   318

<210> 2204
<211> 406
<212> DNA
<213> Homo sapiens

<400> 2204
ttttggttta caggttatat ttattatttt ctatagtatc taaaaagtaa catatattgt   60
taagactttg ttaaaaataa ctctttacac agctttcgga aggtaactgg caaacaaggt   120
ttacaagtaa aagataaact tttcaaacta aaatcagttt gttgtcttta cgcaatttac   180

1158

```
agaagcaagt tatgattcaa tttaagtatc tgaagcagtt tccacaataa agcattccca    240
agaaatagaa aacggagctt agataaagca ccagctgtca cattgtcacc aagttaacac    300
tggttcctca ctggtctcca taacatgatg gagagcagga gaagaaaggg aaggaacact    360
tagagaggaa aaaaaaaaa ccctgaaatc tgaaattaca tttact    406

<210>    2205
<211>    2808
<212>    DNA
<213>    Homo sapiens

<400>    2205
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ctgaaatact ctctggtgcc aacctccaaa ttctcgtctg tcacttcaga cccccactag    120
ttgacagagc agcagaatat caactccagt agacttgaat gtgcctctgg gcaaagaagc    180
agagctaacg aggaaaggga tttaaagagt ttttcttggg tgtttgtcaa actttttattc   240
cctgtctgtg tgcagagggg attcaacttc aattttctgc agtggctctg ggtccagccc    300
cttacttaaa gatctggaaa gcatgaagac tgggcctttt ttcctatgtc tcttgggaac    360
tgcagctgca atcccgacaa atgcaagatt attatctgat cattccaaac caactgctga    420
aacggtagca cctgacaaca ctgcaatccc cagtttatgg gctgaagctg aagaaaatga    480
aaaagaaaca gcagtatcca cagaagacga ttcccaccat aaggctgaaa aatcatcagt    540
actaaagtca aagagggaaa gccatgaaca gtcagcagaa cagggcaaga gttctagcca    600
agagctggga ttgaaggatc aagaggacag tgatggtcac ttaagtgtga atttggagta    660
tgcaccaact gaaggtacat tggacataaa agaagatatg attgagcctc aggagaaaaa    720
actctcagag aacactgatt ttttggctcc tggtgttagt tccttcacag attctaacca    780
acaagaaagt atcacaaaga gagaggaaaa ccaagaacaa cctagaaatt attcacatca    840
tcagttgaac aggagcagta aacatagcca aggcctaagg gatcaaggaa accaagagca    900
ggatccaaat atttccaatg gagaagagga agaagaaaaa gagccaggtg aagttggtac    960
ccacaatgat aaccaagaaa gaaagacaga attgcccagg gagcatgcta acagcaagca   1020
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caggcacagt gcaagtgatg actacttcat cccaagccag gcctttctgg aggccgagag   1440
agctcaatcc attgcctatc acctcaaaat tgaggagcaa agagaaaaag tacatgaaaa   1500
tgaaaatata ggtaccactg agcctggaga gcaccaagag gccaagaaag cagagaactc   1560
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gagaaataaa gtcaagaaaa tttacctgga tgaaaagagg cttttggctg gggaccatcc   2040
cattgatctt ctcttaaggg actttaagaa aaactaccac atgtatgtgt atcctgtgca   2100
ctggcagttt agtgaacttg accaacaccc tatggataga gtcttgacac attctgaact   2160
tgctcctctg cgagcatctc tggtgcccat ggaacactgc ataacccgtt tctttgagga   2220
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1159

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gtgtgacccc aacaaggata agcacatcac cctgaaggag tggggccact gctttggaat    2280
taaagaagag gacatagatg aaaatctctt gttttgaacg aagattttaa agaactcaac    2340
tttccagcat cctcctctgt tctaaccact tcagaaatat atgcagctgt gatacttgta    2400
gatttatatt tagcaaaatg ttagcatgta tgacaagaca atgagagtaa ttgcttgaca    2460
acaacctatg caccaggtat ttaacattaa ctttggaaac aaaaatgtac aattaagtaa    2520
agtcaacata tgcaaaatac tgtacattgt gaacagaagt ttaattcata gtaatttcac    2580
tctctgcatt gacttatgag ataattaatg attaaactat taatgataaa aataatgcat    2640
ttgtattgtt cataatatca tgtgcacttc aagaaaatgg aatgctactc ttttgtggtt    2700
tacgtgtatt attttcaata tcttaatacc ctaataaaga gtccataaaa atccaaaaaa    2760
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa              2808
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<210>   2206
<211>   228
<212>   DNA
<213>   Homo sapiens

<400>   2206
tttttttttt ttttctcttc aaatatttaa tcagtttgga gacctctgca ttccaatcca     60
attgggtaaa aattctaaag aaagcaagat taaggggtcc tcaaagaaaa cactgggcta    120
aaatggagag gagactgggt ttgggaagac agaacatagc atgtgtctga aggcctttcg    180
aaggaattct acgacatatt ttttaaaaat actccaaatg aacaagac                228
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<210>   2207
<211>   224
<212>   DNA
<213>   Homo sapiens

<400>   2207
gactattact agtaagacat ttattaatga tattattaca attgtttcta aaatccatta     60
ttatttcagc agcgaagaga taaataccag agtaacctca gtcagatggt aacagttagg    120
tctaaagaaa attatatgaa atactgactg taatactgct atagagtata cagtatgtta    180
aaacatgatg gagaggctgc acacattggt aacgttttat gtca                    224
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<210>   2208
<211>   434
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2208
tttttttttt tttttttac tttgttcttt cttttttatt tagtcacaac acatcagtac     60
aacagaggtc aaacccagtt cagtggaggt cgtttaacta cacctgctaa aagaataaac    120
ctgaaaaatg atattttata gcccaaatca aattaaataa atcaaagaga aggaggcagg    180
aaagcccttt taaatacctt ggcaaccaca gttccatgca ccaaaaggaa aactcacata    240
aaantttcca gttaaaagaa aatatgggca gtcccgggna aattaggtta tgcatttaac    300
agtttccact gtactacttc aattgaccac tcggcacacc atgatcactt atccatgttt    360
aacatttgtg aatttgagga tccgtgtgat taaaaaattc tttgtgttgc tggggggctgg    420
gtaaatgcgg gcgt                                                      434
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<210>   2209
<211>   7621
<212>   DNA
<213>   Homo sapiens

<400>   2209
gctcctcgga cctcatctct tccccaggga agaaggggc cgctcatcct gaccccagca     60
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1160

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agacctctgt agacacaggg aaagtcagtc ggccagagaa tcccagccag cctgcatcgc    120
ccagggtcgc caagtgcaag gccaggtctc cagtcaggct cccccatgag ggcagcccct    180
ccccagggga gaaagcagcg gctccccctg actacagcaa gactcgatca gcatcggaaa    240
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aggccagcct ctccatgctg ccatccactg acaacaccaa agaagcatgt ggccatgtct    540
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tgtcattaaa atacagcact ccgagagagt cggtggccag tccccgtgag aaggtcgcct   1260
gcttgccagg ctcatacact tcaggcccag actcttccca gccatcatca ctcttggaga   1320
tgagctctca ggagcatgaa actcatgcgg acataagcac ttcacagaac cacaggccct   1380
cgtgtgcaga agaaaccaca gaagtcacca gcgctagctc agccatggaa aacagtccgc   1440
tgtctaaagt agccaggcat tttcacagtc cgcccatcat tctcagctcc cccaacatgg   1500
taaatggctt ggaacatgac ctgctagatg acgaaaccct gaatcaatac gaaacaagca   1560
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tgtcacagcg gctccatgta gccgaccacg aggaccctga cagaaacacc acagctgccc   2160
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aaatcgtgga gatttctgct gaagcagtgt cagagactgt atgtggtaac aagccagctg   2640
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1161

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tgtcagactc ccgaggggtg cccagaaaca gcattccagg gggcccctcg ggggaggacc    2940
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tggtacagac acggactata aaatctcca agcttgtgct tacacatgaa gcctgactta     4980
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gatacaagat gtgacacacc cttctttatt tgaaacaaac aaacatttag ctagaccttt    5160
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tgagggggac acaaatgtca cacctaagag gacaatcaat cattttgtat gattttgtaa    5280
gtaagtaaat gacagaatgc ttttaggcac attcaatgga aggaggagat gtaggtctgt    5340
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1162

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gtgagtgtaa tgtataatgt acgtatgcaa agttcaactc aataggttat tgatcaccat    5520
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1168

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<213>  Homo sapiens

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1169

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1170

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1171

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1172

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1173

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<210>   2223
<211>   3073
<212>   DNA
<213>   Homo sapiens

<400>   2223
cctggggcca ggactgctgc tgtcactgcc atccattgga gcccagcacc ccctccccgc   60
ccatccttcg gacagcaact ccagcccagc cccgcgtccc tgtgtccact tctcctgacc   120
cctcggccgc caccccagaa ggctggagca gggacgccgt cgctccggcc gcctgctccc   180
ctcgggtccc cgtgcgagcc cacgccggcc ccggtgcccg cccgcagccc tgccactgga   240
cacaggataa ggcccagcgc acaggccccc acgtggacag catggaccgc ggcacgctcc   300
ctctggctgt tgccctgctg ctggccagct gcagcctcag ccccacaagt cttgcagaaa   360
cagtccattg tgaccttcag cctgtgggcc ccgagagggg cgaggtgaca tataccacta   420
gccaggtctc gaagggctgc gtggctcagg cccccaatgc catccttgaa gtccatgtcc   480
tcttcctgga gttcccaacg ggcccgtcac agctggagct gactctccag gcatccaagc   540
aaaatggcac ctggccccga gaggtgcttc tggtcctcag tgtaaacagc agtgtcttcc   600
tgcatctcca ggccctggga atcccactgc acttggccta caattccagc ctggtcacct   660
tccaagagcc cccgggggtc aacaccacag agctgccatc cttccccaag acccagatcc   720
ttgagtgggc agctgagagg ggccccatca cctctgctgc tgagctgaat gaccccagca   780
gcatcctcct ccgactgggc caagcccagg ggtcactgtc cttctgcatg ctggaagcca   840
gccaggacat gggccgcacg ctcgagtggc ggccgcgtac tccagccttg gtccggggct   900
gccacttgga aggcgtggcc ggccacaagg aggcgcacat cctgagggtc ctgccgggcc   960
actcggccgg gccccggacg gtgacggtga aggtggaact gagctgcgca cccgggggatc   1020
tcgatgccgt cctcatcctg cagggtcccc cctacgtgtc ctggctcatc gacgccaacc   1080
acaacatgca gatctggacc actggagaat actccttcaa gatctttcca gagaaaaaca   1140
ttcgtggctt caagctccca gacacacctc aaggcctcct gggggaggcc cggatgctca   1200
atgccagcat tgtggcatcc ttcgtggagc taccgctggc cagcattgtc tcacttcatg   1260
cctccagctg cggtggtagg ctgcagacct cacccgcacc gatccagacc actcctccca   1320
aggacacttg tagcccggag ctgctcatgt ccttgatcca gacaaagtgt gccgacgacg   1380
ccatgaccct ggtactaaag aaagagcttg ttgcgcattt gaagtgcacc atcacgggcc   1440
tgaccttctg ggacccageg tgtgaggcag aggacagggg tgacaagttt gtcttgcgca   1500
gtgcttactc cagctgtggc atgcaggtgt cagcaagtat gatcagcaat gaggcggtgg   1560
tcaatatcct gtcgagctca tcaccacagc ggaaaaaggt gcactgcctc aacatggaca   1620
gcctctcttt ccagctgggc ctctacctca gcccacactt cctccaggcc tccaacacca   1680
tcgagccggg gcagcagagc tttgtgcagg tcagagtgtc cccatccgtc tccgagttcc   1740
tgctccagtt agacagctgc cacctggact gggggcctga gggaggcacc gtggaactca   1800
tccagggccg ggcggccaag ggcaactgtg tgagcctgct gtccccaagc cccgagggtg   1860
acccgcgctt cagcttcctc ctccacttct acacagtacc catacccaaa accggcaccc   1920
tcagctgcac ggtagccctg cgtcccaaga ccgggtctca agaccaggaa gtccatagga   1980
ctgtcttcat gcgcttgaac atcatcagcc ctgacctgtc tggttgcaca agcaaaggcc   2040
tcgtcctgcc cgccgtgctg ggcatcacct tggtgcctt cctcatcggg gccctgctca   2100
ctgctgcact ctggtacatc tactcgcaca cgcgtgagta ccccaggccc ccacagtgag   2160
catgccgggc ccctccatcc acccggggga gcccagtgaa gcctctgagg gattgagggg   2220
ccctggcagg accctgacct ccgcccctgc ccccgctccc gctcccaggt tcccccagca   2280
agcgggagcc cgtggtggcg gtggctgccc cggcctcctc ggagagcagc agcaccaacc   2340

1174

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acagcatcgg gagcacccag agcaccccct gctccaccag cagcatggca tagcccggc    2400
cccccgcgct cgcccagcag gagagactga gcagccgcca gctgggagca ctggtgtgaa    2460
ctcaccctgg gagccagtcc tccactcgac ccagaatgga gcctgctctc cgcgcctacc    2520
cttcccgcct ccctctcaga ggcctgctgc cagtgcagcc actggcttgg aacaccttgg    2580
ggtccctcca ccccacagaa ccttcaaccc agtgggtctg ggatatggct gcccaggaga    2640
cagaccactt gccacgctgt tgtaaaaacc caagtccctg tcatttgaac ctggatccag    2700
cactggtgaa ctgagctggg caggaaggga gaacttgaaa cagattcagg ccagcccagc    2760
caggccaaca gcacctcccc gctgggaaga gaagagggcc cagcccagag ccacctggat    2820
ctatccctgc ggcctccaca cctgaacttg cctaactaac tggcagggga gacaggagcc    2880
tagcggagcc cagcctggga gcccagaggg tggcaagaac agtgggcgtt gggagcctag    2940
ctcctgccac atggagcccc ctctgccggt cgggcagcca gcagaggggg agtagccaag    3000
ctgcttgtcc tgggcctgcc cctgtgtatt caccaccaat aaatcagacc atgaaacctg    3060
aaaaaaaaaa aaa                                                        3073


<210>  2224
<211>  376
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2224
tttagagcag gagtgagagt ttattaaaaa gttttagagc aggaacaaaa ggaagtacac     60
tacacttgga tcaggcaggc aacttgagag atctaagtgc cctgcctgac ccttaacttg    120
gggtttttatg tatttggcat agttctggga tttacgtctc anctcccctg attcttccct    180
tccgcgtatg tggtgacctg ccagcacttg gaaggggtcg catgcacagt gtgattactg    240
aagttgcgcg catgtcactt gaggcatttt tcccttacc agtcgtgcgt tcccagagga    300
aggtaggtca tatactggtt aaatncgcca ttttgcctct tggtgcgcat ntccaggctg    360
cttgccantc ctgaga                                                     376


<210>  2225
<211>  275
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2225
tataatagaa aaatatttta tttgtattgt tgtataaaat atttacaatc atatagaata     60
tatagagtta cattttaata gcaactgtgt acatgtcacg aaaccatttc ccttatcaaa    120
gatgtaattt gtaaacctca aatagttgtg tatctcgtcc tgttagaagt agatgacttc    180
aattaaacaa atttatgaat cagaataatg tccttcataa atttgtttaa ttgaagtcat    240
ctacttctaa cagggccgng gcacccncca tnttt                                275


<210>  2226
<211>  519
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c


<400>  2226
aaccacanaa gagtagcagt ccattttctg gaagngcgca tgatattatg ancaatacaa     60
```

1175

```
        atgcattatt tttatcatta atagtntaat cattaattat cncanaagtc aatgcagaga        120
        gtgaaattan tntgaattaa acttcngttc anaatgtaca gtattttgca tatgtngact        180
        ttacttaatn gtncattntt gtttccaaag ttaangttaa atacctggtg cataggttgt        240
        tgtcaagcaa ttactctcat tgtcttgtca tacatgctaa cattttgcta aatataaatc        300
        tacaagtatc acagctgcat atatttctga agtggttaga acagaggagg atgctggaaa        360
        gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta        420
        attccaaagc agtggnccca ctccttcagg gtgatgtgct tatccttntt ggggtcacac        480
        tccntcaaat aaacgggtta tgccagtgtt ccatgggcc                              519
```

```
<210>   2227
<211>   384
<212>   DNA
<213>   Homo sapiens

<400>   2227
        ccaaaataac ttttattact atataaaaga agtcaagaaa aaatagatgc atattttcc         60
        tacaaaatta taaaatattc aggatagtta atattttttc cataaatgcg ctaagataaa        120
        aagatagaaa tcttttttcac ttaaggtttt cgagtacctt gtaggaatta aagaacaata      180
        atgttctttc ttctacattt tcctaaagac atagcagtta cagtttcctg ctggagttat        240
        ctaaaaaagg acataccaag ataaattttc tatcatattg aaataaaatt agcataaagc        300
        tttacttctg tctttgtgct tttagattgg caactgtggt caatcagtgc tgcactggaa        360
        tttccaactc agcagggaa agaa                                               384
```

```
<210>   2228
<211>   292
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2228
        caacgccttt attaagaaat atcaaaagtt gattacaggt ccatatgcag ttttacaaag        60
        ttcaagtgaa gaagactgta gggatgccat caatgtgcgt gtctgaagac tatggaagct        120
        tgtcaaaggg gtaaccctac aactcctgtc actttaacan tggtccacag caatgctttt        180
        cccccatttc tactaggcta ggccattgca caatacctta agctacttaa aagagtttta        240
        atacgttata aatacgtaca tatttgtcct ctagtttgt taccatcctt cc               292
```

```
<210>   2229
<211>   340
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2229
        gtaggataac agtgttttna atatttaagt aacaaaacat tcaggttaat actcaatgca        60
        tatacaataa gatagagcaa caacaacaaa attacaaagc acaatctaac tatatggagg        120
        ctttcaaaca attaaatagt tggatagaga atgcgctaat taaaaaccca gctgagccac        180
        accgcactac ctgagacctg accagggact ttctggtggt agaagggaga gctcattgtg        240
        ccctgtggcc ttcaactcaa atggatgctc ttcaactcaa atccagagag cacttaacaa        300
        actccatgct ctagattcgc tcaaccctcc tccttgcttt                             340
```

```
<210>   2230
<211>   227
<212>   DNA
<213>   Homo sapiens
```

1176

<400> 2230

```
tttagcatta gcaatttttt attttttcctt ttttgttgca taggaaatgc agtacttgct     60
tccagtaatt gtattgtaat gtgagaaggt ggtagcacta atggttgaat acaagagtta    120
aactaatcca caccagctca aaaaacctgt ggagatttag ttgaataaga atggacgccc    180
acagtgattc tcaaccaatt acaaattttc acagaacaca gtaaaac                 227
```

<210> 2231
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2231

```
cagacaggct atcattcttt attcttatcc ttttgtttta aagcattttt attagtctat     60
tttttnctta aatttttaaa cagctatttt taaaaacaca acaaatacac aacacaaaac    120
ttggtaaaaa taactcacta tatggtacat atacgcagat ggtgtaatat atttatataa    180
taaaagatga aaatagtcac tttccataat aaaaataagt nctatttttn gtttatttta    240
caatatactt aatat                                                   255
```

<210> 2232
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2232

```
agtannatac cacagagaat agttgggatg aaaggcatcc agcccctgct tcctttaaga     60
tggcctctag gcaggtgggt gttctgtaag cctggcaaaa attctggagc caatctctgg    120
caaggctgag tgccaggcgg ggcctaggga cccagggtcg gtgcttaatg cctcccgccc    180
attggaaatt actgacctcc aaatatatat atatatatgt tttttaattt aaagggaag     240
tacactgcac accttcctcc a                                            261
```

<210> 2233
<211> 439
<212> DNA
<213> Homo sapiens

<400> 2233

```
atttttgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat     60
cttcatctct ttccattttg cggacactcc ccttcttcta ttctccttta ctcaaaacat    120
atggtttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac    180
atgtttccaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct    240
aacttatgcg tattgttttg atgtttgcct gtggttattc tgggcacagc aatggtggac    300
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac    360
taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttgga aaaccaagcc    420
cagtttcagg caaagagtt                                               439
```

<210> 2234
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

```
<400>  2234
tttctgagac actgtcgatt tattttagca tttacatttg acattcattt aacagacaca    60
caaggcaagc caacaggtaa acatgcttac acagcctgca gaaatcgcca ggttttanct   120
tgttttttag gaaaacaacc aaaacaccca aaatttacca tgacccggta caggaaaaac   180
aggaggactc aagtgattac tagagctgca agtgtttctt agaattgaac caaaaattgt   240
ttttcccaa ctggttcaaa tttcctctaa gtgcaggtga gaaaaaaggc aattatatt    299
```

```
<210>  2235
<211>  491
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c
```

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<400>  2235
gcaattttct caactaaaaa tagagatgat aatccgaatt ctccatatat tcactaatca    60
aagacactat tttcatacta gattcctgag acaaatactc actgaagggc ttgtttaaaa   120
ataaattgtg ttttggtctg ttcttgtaga taatgccctt ctattttagg tagaagctct   180
ggaatccctt tattgtgctg ttgctcttat ctgcaaggtg gcaagcagtt cttttcagca   240
gattttgccc actattcctc tgagctgaag ttctttgcat agatttggct taagcttgaa   300
ttagatccct gcaaaaggct tgctctgtga atgtcaagat gtaattgtaa atgtcagtaa   360
tcacttcatg gaacgctaaa atggangaat gtaaggtatt tttttaaatg gtgggnggaa   420
tttccaaaat tnggtttgac cnaattccgg gaaattacca aggatttcct atggccggga   480
tttaccnttc a                                                        491
```

```
<210>  2236
<211>  458
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<223>  n=a,t,g or c
```

```
<400>  2236
ggagtttcac catgttggcc aggctggtct caaactcctg acctcaggtg atccacctgc    60
ctcagcctcc caaagtgctg ggattacagg catgagtcat tgctcccagc cattagaaag   120
attgttaatc ctatgaactc ccttttgtag gagagaaagg gccaatctgt aggggtagcc   180
ctgtccaggt aaagttgttt tcagcctcat gtctactgtt aggtgaggga gtcacagcca   240
gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag   300
cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga   360
aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg   420
ccagagtatt gactttttaa cagattatta aataaagg                           458
```

```
<210>  2237
<211>  401
<212>  DNA
<213>  Homo sapiens
<400>  2237
ttagaaatca ggtttttttt tatttaatac attctaatca aatagtaaca gcagtaaata    60
aacactttga aaaacaggca ggtatccccc tgtatctgga agaaaattaa gtcaaagtat   120
tctacacagt agaagggaga caactgttta tgtccatggt tagacaattc aaggacaact   180
tggatatttc taaagccatt tccaaaaaat caatggcaac aggttgggac acagctattt   240
caaagggtag aatgcctata cctacattgg ttttattaa cggggattga gttgcacctg    300
tatagcatga tattcttgtc tttagcttta aaggaaaaga gaaagtcttt tccatttgca   360
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ccagtttgaa atatttctga aataaggctc ccatagaatg g   401

<210> 2238
<211> 275
<212> DNA
<213> Homo sapiens

<400> 2238
taatgagaaa ataactgtat acttgcattg aatgcctcac aatcactcta aaaccaaagc   60
aggataataa catttaagtg gttaacatac acaggaaaac cagatacaga gtataatttc   120
caaacacagt attgctgctt ttttcccctc ctcccccaaa aaaagaaaaa caaagaaaaa   180
ataatttggg taaagagcaa cacaaaatca aaattggcag ctcactgaat gcttaaaatt   240
caggaaattt gttctttaac taaaatggaa tatat   275

<210> 2239
<211> 236
<212> DNA
<213> Homo sapiens

<400> 2239
tttttttttt tttttttttt tttttttttt tatttacaaa taattgtttt tattaggcca   60
tttggaaaac cactaacatt ttttattta gaaaacatta aataataaac aagatgttat   120
acagtacttt ggataacttc ttccatcagt ttagtgcaat gtatcattgg catcgaaaag   180
taaaattttc atttattttc ccctttcatc ttcagctgtg cagttatatg accata   236

<210> 2240
<211> 378
<212> DNA
<213> Homo sapiens

<400> 2240
ttttttttta atgtttacct tttaaaacat ccaaatgttt attttcacaa gcttagtagt   60
acaagatgca acataattca agaaaatcaa ccacagtgct aatactttaa tatattattc   120
caaatattag acgttacagt ttaaatcttt ttaacattag ctctaatgtt ggaataacat   180
ttaagttaat aaataactgt gaatataacc atatgttcag tctattctcc ccagtttatc   240
ctaaatgaca attttattgt gatttgggtc ataaaagtga taaataattg tttatatgtt   300
ttcataaatt gcatgtttat ttaattaatc ctggaagagg aacctaggaa atacattcca   360
tggggttaca taaattcg   378

<210> 2241
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2241
tccctttctc cctgtttccc tcccttcttt ccttccttcc ttccttcctt ccttcttaga   60
attcactgaa gtatttccta ggtagccttt tacttactac tttaatcaaa gcttatcttt   120
gtgcccaatg tgtaaaaagt gaaaatgtct cttcgaaatt ctatattaca atatagacag   180
agaagttggg ccttgagggc ttgagtttca cttaaatact atacacatgt ggtatcacac   240
aaggtggagg gggagggaac aaacagaaac ataacaatta tttttattct gtctttacaa   300
aagaaagcct cttctctatg aaaaagtctt tttggcatct gctcccggaa acctgccccg   360
agaacacgtt ccccattgct ttgcaagcat ctctttttaa aagcacanca ctgtccccgg   420
gagtcacgta ggttggatta anctgtctta gttgaccaac gaagaancac tggatgagtt   480
ttccagggat gantggttgt ctggggtgga acatatagtc ctgtctacaa caaatgtaac   540
tcctgatatg ggacnatgaa cncagtgtgt gacccaggag tgnttgatct gtnaacantc   600
gcatgnaatt   610

1179

<210> 2242
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2242
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gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg      60
cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaaggggc      120
tcaggatggg gaagggtcct caggacaggg gaaggggctc agaagagagc aggggggctta    180
ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg     240
taggaagcag tggtgttttg gacaggaggg gctggctctc cagtgaccca ggtggacacc     300
ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg     360
acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg     420
cccgcctgta gccaggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg     480
gcatgagtcc ctccggtgtt cccggcacac agcatgtcgt tcacggatga tgccgacgtc     540
gtctcccgtg taggcgccaa agtggtattt gcgtcacaaa tgtggtttcc attatgggga     600
ccttcactgc ttcagg                                                     616
```

<210> 2243
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2243
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tcaggattta accatggttt attgcagacc tattgtgtgc caggcatgag ccangtgctc      60
ccacaaacag cgtctccagg tacgagaagt gtaatttcga ccctggaaca ccttcctgca     120
ctcagacaga agcatgtgca gactgctctc agcaacgcca cctccttcac tccctggcca     180
ttgggcccct tctctctacc tgtcccctgt cactccactt cctgccccag gncttctctt     240
agggattttc cagggctttg ggggagctgc tgctttcagt t                         281
```

<210> 2244
<211> 2254
<212> DNA
<213> Homo sapiens
<400> 2244
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caaccatatc caagcctttg cccgaataca tcctatctgc cacacatcca gcgtgaggtc      60
cctccagcta caaggtgggc accatggcgg agaagtttga ctgccactac tgcagggatc     120
ccttgcaggg gaagaagtat gtgcaaaagg atggccacca ctgctgcctg aaatgctttg     180
acaagttctg tgccaacacc tgtgtggaat gccgcaagcc catcggtgcg gactccaagg     240
aggtgcacta taagaaccgc ttctggcatg acacctgctt ccgctgtgcc aagtgccttc     300
aacccttggc caatgagacc tttgtggcca aggacaacaa gatcctgtgc aacaagtgca     360
ccactcggga ggacttcccc aagtgcaagg ggtgcttcaa ggccattgtg gcaggagatc     420
aaaacgtgga gtacaagggg accgtctggc acaaagactg cttcacctgt agtaactgca     480
agcaagtcat cgggactgga agcttcttcc ctaaggggga ggacttctac tgcgtgactt     540
gccatgagac caagttggcc aagcattgcg tgaagtgcaa caaggccatc acatctggag     600
gaatcactta ccaggatcag ccctggcatg ccgattgctt tgtgtgtgtt acctgctcta     660
agaagctggc tgggcagcgt ttcaccgctg tggaggacca gtattactgc gtggattgct     720
```

```
acaagaactt cgtggccaag aagtgtgctg gatgcaagaa ccccatcact gggtttggta   780
aaggctccag tgtggtggcc tatgaaggac aatcctggca cgactactgc ttccactgca   840
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<210>   2245
<211>   424
<212>   DNA
<213>   Homo sapiens

<400>   2245
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gctgaggctg ccgtcgtggg aggggcttgg ctggcggagg cgggctgcct gtggaggcct   180
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agtccctgga ttttccggct tctctcctct tcactctcta actccaacaa ttcatcaatg   300
ttgatctcat cgggcatgtc tgcctccatg ccgcggtaca gctcctccag gcgcccgtcg   360
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cgcg                                                                424
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<210>   2246
<211>   379
<212>   DNA
<213>   Homo sapiens

<400>   2246
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ttatagacaa gttttgatac ataggaaaac ccttccgtcc acctctcttt atgctaaatg   120
aatcatcaca ataattttta caatttttaa aacaatacac agctttcttg ggctgaagca   180
```

1181

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attgcaagaa catattggta ctggtatatt acagctactt acaatgtttt taagaacagc    240
aatggagaaa aataagttat ttaaatattg atttcatata cagaaagtgc aatgttgtta    300
gttgttatat aacttgctcg acagtttctt ttctctatca attttaaatc aagataactt    360
gggactcaga ctattatat                                                 379
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<210> 2247
<211> 2344
<212> DNA
<213> Homo sapiens

<400> 2247

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agggcctggg catcgagatc atcgggaccc tccagctggt gctatgcgtg ctggctacta    120
ccgaccggag gcgccgtgac cttggtggct cagcccccct tgccatcggc ctctctgtag    180
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ttggctccgc ggtgatcaca cacaacttca gcaaccactg gattttctgg gtggggccat    300
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ccgacgacat caactccagg gtggagatga gcccaaata gaaggggtct ggcccgggca    480
tccacgtagg gggcaggggc aggggcgggc ggagggaggg gaggggtgaa atccatactg    540
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atttagaagg agagggcaac cagaaggccc ttaactatca ccagtgcatc acatctgcag   1980
cactctcttc tctattccct agcaggaact tctagctcat ttaacagata aagaaactga   2040
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gctactccct ggaccacgag gctgattcct ctcatttcca gcttctcagt ttctgcctgg   2160
gcaatgccag gggccaggag tggggagagt tgtgatggag gggagagggg tcacacccac   2220
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1182

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ccccctgcctg gttctaggct gctgcacacc aaggccctgc atctgtctgc tctgcatata      2280
tgtctctttg gagttggaat ttcattatat gttaagaaaa taaaggaaaa tgacttgtaa      2340
ggtc                                                                    2344
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<210> 2248
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2248
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tgacgatccg gaagctgtac aggagagata agggcactgg ctgccagagt gccctatcga      120
agcatcatcc gaaccctgcg gtaggggtgg cccacaccac ggcctgaggc cagttcaatg      180
ccatatttgt gggcggcact caggacactg catagcgacc attgagattt gatcggtaac      240
aggatgcata ccaccaggca ccgtggacaa tcactgcana gttgctgttg cttgaatcgt      300
ggtcagcgtc ataggtgggt aaagggcctc cc                                     332
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<210> 2249
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2249
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gtggaacagt ctgtgctgtc cccaccccac ctgaactcgc cagttcctgt ctcccaaggg      120
gcacagaaca caggcccccct gcctggcaga cccgacttag ttacaggccc ctgggaggng      180
gnaacttagc gggtcgaggc caggagggag gaggaccagc acctgatgcc cctggggccn      240
cgctgggtca tggaactgtg tgtgtggang ggtggggggt cagcccacca cgggccattt      300
ctccccaagg ctaagggcgg gggaacaagt aaagctgagg agagggcttc atgggacagg      360
gttcccatcc cctgctggga nggtgttcct ggataccccca caaggcactt acagatgcaa      420
actttangcg agtnccc                                                      437
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<210> 2250
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2250
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tcctaaagct gcagagctag cccatgacct cattggtttc nttgtccttg gggtgctttt      180
cctgaatctt tgggggtgaa gggagtnttg ctcccagtcc agaggcctga ttctttcgg      240
actgggttct caagacacga ccaggttctc aagacacgag tcccctntt cctncccatt      300
aaaggggggtt tntnagaagc aagancagcc cctttcccca agtcacagcc tgaagggagg      360
ccccngagan gcttccctcc tttcccncna ccctgnttcc ttaaccttnt tttgnccctg      420
nttttttttag gaanctggna gtttcaattn gttttaaang ggggattggg ggggaaggga      480
agncttnggg ggacaaaaaa nnttttttntt ncaa                                  514
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1183

<210> 2251
<211> 538
<212> DNA
<213> Homo sapiens

<400> 2251
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tttttttttt tttttttttt tttctccaaa gtaagttttt attacaaaaa cctttactac     60
aattcaatgt tttattaaga ctaaagtcag gaccttgcca acttactgag tcataaggaa    120
acacatgagg aaagtcaaca tggtctctag gctgacttga attattcctt gactaagaat    180
tctagggtta tgtggacttt tctgttaaca tcctgactta gttcctttct ttagcagcaa    240
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aaatatggat atgaagtgca gaagcagcaa gttaccacaa gatggggcta tacactcaag    360
aaagaacagt tggttagcga agtttctcta ttatcaaaaa aatttaaaaa tactttgagt    420
ttatttgatg ccttcatctt tacagcccag ctaagcaatc ccataaaaat gaggcactga    480
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```

<210> 2252
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2252
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aaataaaaca aacaacatgt ttgtacataa agcctgggtt tacttggnac aaaatttgag    120
tctttgaaaa aaatagttaa tggnaaatct caataaaaat tcattttgaa agtaaccngt    180
actgttcagg aaataagggg ngtcatgtta cttgaggang tcaaacagtt ttattacagg    240
aactatgtgt atatattttg gggnttaaaa cttgccnata ggctgtttgg aaagggntag    300
gctcataatt tattccnaat agggtatttt nttaatcnaa tgtttttggg gttatcnacc    360
ataaccccnt gg                                                        372
```

<210> 2253
<211> 363
<212> DNA
<213> Homo sapiens

<400> 2253
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tttttttttt tttttttttt tttttttttt tttttaaga cttaacgtca ttgtatttat     60
taggttctga aacaatacac attcacatcc ttttgaatac agtacatttg gcacaataag    120
cgcttgcttt acaatgaaat aacactaatg aatggcaaga gattaaaatt acatccagaa    180
aggaaaaaaa tgtacaaata aagcatcaca atacaaaaaa aaaaaaatcc taaaattgaa    240
tacattttac agttagccag aattattttg cacataattt aaaaagaggt aatttttttag    300
ccttcttttt ttttttaaa gcaagaatgc attgtttttt cacctttgga ggaaaaaaaa    360
tta                                                                  363
```

<210> 2254
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2254
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natgaacagt atataatcta atctctttaa ttttatgtac atgaatataa tgtatgtcaa     60
ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttacaa    120
```

1184

tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt   180

taataggaaa agaatttaat agtttacaat catagaaaca ctgacattta aaa   233

```
<210>   2255
<211>   286
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c

<400>   2255
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tgagcctgat tttgttgctg gttttcatca tctatgaggg taaaacgagt acccttaaaa   120

tccctgtggc cagtttgaac acccctgttg tattcttttc tctgttcagt gtgtcagcta   180

ttttgtgaag atgcttagat gtatagtttt nataaccaca gtttttaaatc tttaatctgt   240

gcataataaa aagatatata tcagttaaaa aaaaaaaaaa aaaaaa   286

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<210>   2256
<211>   6360
<212>   DNA
<213>   Homo sapiens

<400>   2256
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tcgcagcaaa aggagcctat cctgtcggcc ccacatggtc aagctggtgt gtcccgctga   120

caacctgcgg gctgaagggc tcgagtgtgc caaaacgtgc cagaactatg acctggagtg   180

catgagcatg ggctctgtct ctggctgcct ctgcccccccg ggcatggtcc ggcatgagaa   240

cagatgtgtg gccctggaaa ggtgtccctg cttccatcag ggcaaggagt atgcccctgg   300

agaaacagtg aagattggct gcaacacttg tgtctgtcgg gaccggaagt ggaactgcac   360

agaccatgtg tgtgatgcca cgtgctccac gatcggcatg gcccactacc tcaccttcga   420

cgggctcaaa tacctgttcc ccggggagtg ccagtacgtt ctggtgcagg attactgcgg   480

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ccggtacatc attctgctgc tgggcaaagc cctctccgtg gtctgggacc gccacctgag   720

catctccgtg gtcctgaagc agacatacca ggagaaagtg tgtggcctgt gtgggaattt   780

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ctgtagaatc cttaccagtg acgtcttcca ggactgcaac aagctggtgg accccgagcc   1020

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cttctgcgac accattgctg cctatgccca cgtgtgtgcc cagcatggca aggtggtgac   1140

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gccgggaggc ctggtggtgc ctcccacaga tgccccggtg agccccacca ctctgtatgt   1560

ggaggacatc tcggaaccgc cgttgcacga tttctactgc agcaggctac tggacctggt   1620

                                    1185

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1186

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ctatgccatc tgccagcagg acagttcgca ccaggagcaa gtgtgtgagg tgatcgcctc      4320
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1206

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ccgttcaccc agccacagat agtgacaggg cacacatggc gacacccaca tgtacggaga      180
taaatctccc ccaccatgac atgggtagac agaaaacacg ccgcagtata ctctagtatg      240
tttacacaaa cagggagaca ggcccgtgca atgcatgtca ccaccaccca cantcagngg      300
ttgacatctg cttgggggtt cttcngacaa aggccacccc acc                        343


<210>  2263
<211>  402
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
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<223> n=a,t,g or c

<400> 2263
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atacaaaatg gttatctgaa tgtggattct gtactgcagc agaagcaacc cagctccgga      120
actctatttg cgcttcctca gtatcaggta catcatgccg ctgatgaagg tgcaggcgaa      180
ggcacccacg ccagggatnt aggagtagcc gtagctgcct tctctggtca cgggatagaa      240
tttcgcgttt ttgtcgtgaa tgtcttcacg cctgtctgta taaatgggag gccgcaatca      300
tgacacacag acatgacatt aggctgggat gatggaaggt tangggcaaa ncctcttctt      360
ccctgctttc aaggcnggaa agaaccttgg ancaccgaag ga                        402
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<210> 2264
<211> 517
<212> DNA
<213> Homo sapiens

<400> 2264
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aaaatggact attttaaagg tacattaagt agaaagtttc taactaccct aaagtcacaa      120
accaagattc aaaatgaacc tctaggcctt gccctaacat ttccccaaca ccacaaaatt      180
gtccaacttg ctctattgta agtaaccttt aaactattag cgagtttagt aacatcccgc      240
gaggcagatt ttaaactacg atacagtttc tatctaggcc actgtgttta gtgtgtttac      300
aaacaggctt ggagttctag gtttcttcat catcagtgaa cacagagcgt cctagagcgc      360
cacgctgttc atgaggggtg tccacaaaag cacgcaaact atagcagagt gtgtgggagt      420
gaataggtct ccgatgttcc tgtattcagg tatatatata tacacattca cacagaccaa      480
caagtcaagc attctccaaa ctcatttgaa cagagac                              517
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<210> 2265
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2265
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aggaaaaagc agtattcctt ttatgtattt gatacaaata ttaaacataa ctcagtttta      120
gttcattagc tcagctcagt gaaaatagct caggaaaaaa aagtcatagg taatgctatt      180
ggtatatgca ggaaa                                                      195
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<210> 2266
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2266
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tatgtcaaca tggtcagcaa aggatttaaa tatgggtctt tgaataataa atagctaata      120
attgagttta ttaaaatgaa tttttgtata atttaggcag ttgaaggtct agaacagcct      180
gcgttccttt ctatggcagc ttgctatgaa attcatgttt caaacaaaac aatacttttt      240
catgcatagg ataaattata aatgtactga ccnggcccat tctatatggt taattctnac      300
gganttta                                                              308
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<210> 2267
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 2267
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tgcagaggac tggcagcact ctggcctggc atcacnangg agngcagcag caggcaccca   120
tgcagctcag cagcctcact tgctgcactt cctgggggag catttgcact ccatggcatt   180
gagaacctca tggtacacaa cagagccatt ggtgcagtgc agggccacct catnggggct   240
ccgtccgtnt cggagagcag caggagcact ggtcctgcac atcgttgatg tcaatgggag   300
tacatggctt ttctgggcac attttgccct gggcagttag tgggatatcc accttnttac   360
tttcagactt tacagctttc cccacctttt gacatacttg cagcctgggc agttnatttt   420
cgtttncact tcaggcttcc tcacatgtnt tcacagcagg tncctgggnt ttttcataat   480
ttttacctcc cttnaggcca gaca   504

<210> 2268
<211> 690
<212> DNA
<213> Homo sapiens

<400> 2268
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aaaatgttgg tgcttcttgc tttcatcatc gccttccaca tcacctctgc agccttgctg   120
ttcattgcca ccgtcgacaa tgcctggtgg gtaggagatg agttttttgc agatgtctgg   180
agaatatgta ccaacaacac gaattgcaca gtcatcaatg acagctttca agagtactcc   240
acgctgcagg cggtccaggc caccatgatc ctctccacca ttctctgctg catcgccttc   300
ttcatcttcg tgctccagct cttccgcctg aagcagggag agaggtttgt cctaacctcc   360
atcatccagc taatgtcatg tctgtgtgtc atgattgcgg cctccattta tacagacagg   420
cgtgaagaca ttcacgacaa aaacgcgaaa ttctatcccg tgaccagaga aggcagctac   480
ggctactcct acatcctggc gtgggtggcc ttcgcctgca ccttcatcag cggcatgatg   540
tacctgatac tgaggaagcg caaatagagt tccggagctg ggttgcttct gctgcagtac   600
agaatccaca ttcagataac catttgtat ataatcatta tttttgagg tttttctagc   660
aaaccgtatt gtttcctta aaagccaaaa   690

<210> 2269
<211> 379
<212> DNA
<213> Homo sapiens

<400> 2269
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gccaggctgt gctagatggc gcctggaagg ggggtcaccc aagtctccct gctgtcattt   120
caggaggccg acccaagtct ccctgctgtc atttcaggag gccgaatttt ttcccaatcc   180
cagagaaggt gtcagaggcc tggttagcag tcttgtcgat ggtttcctgg gtggtcttgg   240
ccagctggtc catggctttc tgccccgcct ctgtggcctg gtccaccact tgctgagctg   300
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<210> 2270
<211> 305
<212> DNA
<213> Homo sapiens

<400> 2270

1214

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gggaggaggg aggcctggtg ggggtggggga agtggagtaa catggttgtt gagaagctcg   180
tggcccccta ggcctgggct cactgtcttt actcctccat actacaagag tgatgaggaa   240
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gaagg                                                               305


<210>   2271
<211>   551
<212>   DNA
<213>   Homo sapiens

<400>   2271
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ttcattgagg ggctatgtga tggagacaga ctaactcatt ttgttatttg cattaaaatt   180
attttgggtc tctgttcaaa tgagtttgga gaatgcttga cttgttggtc tgtgtgaatg   240
tgtatatata tatacctgaa tacaggaaca tcggagacct attcactccc acacactctg   300
ctatagtttg cgtgcttttg tggacacccc tcatgaacag gctggcgctc taggacgctc   360
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cagtggccta gatagaaact gtatcgtagt ttaaaatctg cctcgcggga tgttactaaa   480
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ggaaatgtta g                                                        551


<210>   2272
<211>   395
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<223>   n=a,t,g or c


<400>   2272
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tacattatat tccctatttc attgtgttta gaatatatta tattgtttaa atgccantac   180
cacagtgtaa ttttttttttt tttaatactg aatctctgga ataatggtaa ggtcaaaata   240
tattgtattg agagtttaaa aattaagagc aatttttaaa aatgtaacaa acatctaaat   300
atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt   360
gtgacttacg cattttgccc catttaacct ttctg                              395


<210>   2273
<211>   357
<212>   DNA
<213>   Homo sapiens

<400>   2273
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ctctcaagct ccggtgccca caagccttgc ctggggagat gctggagtga gaccgggagc   120
tcaggccaag tcactggtcc ctgggctcgg gcctgccgag tggagtaaag accagctgta   180
cacatcttcc ggtggggggcc ctgggctctg catccgcccc tccgaagtca gcaggagcct   240
ctgggaagta aggcagcagc acagaccccc agcgtcttgg aggggaagcg aaatcctcag   300
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<210>   2274
<211>   1410
<212>   DNA
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1215

<213> Homo sapiens
<400> 2274

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gaggaggtct gcggcttgga gctcctgggg cctaacaaaa agaaacctgc catgctgctc   180
ttcctcctct ctgcactggt cctactcaca cagcccctgg gctacctgga agcagaaatg   240
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gagagtggcc tgcctggtcg cgatggacgg gatgggagag agggccctcg gggcgagaag   360
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ccaagtggac ctccaggacc tcccggtgtg cctggtccag ctggaagaga aggtcccctg   540
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aaaggagaag taggtgcccc aggcatgcag ggctcggcag gggcaagagg cctcgcaggc   660
cctaagggag agcgaggtgt ccctggtgag cgtggagtcc ctggaaacgc aggggcagca   720
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aagggggaca aaggcattcc tggagacaaa ggagcaaagg gagaaagtgg cttccagat   840
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gctttctctc agtataagaa agttgagctc ttcccaaatg gccaaagtgt cggggagaag   960
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gatgatggcg ggtcagagga ctgtgtggag atcttcacca atggcaagtg gaatgacagg  1260
gcttgtggag aaaagcgtct tgtggtctgc gagttctgag ccaactgggg tgggtggggc  1320
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<210> 2275
<211> 2535
<212> DNA
<213> Homo sapiens

<400> 2275

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tacaccaggg ctgccgtggc cgcggatgcc aagcagtgct cgaagattgg gagggatgca   840
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gacaagcaat ccagggacaa gatactcacc aggaccagga aggggactct gggggaccgg     2460
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<210> 2276
<211> 73308
<212> DNA
<213> Homo sapiens

<400> 2276

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ttctcttgta ttcaccatgt tgtaactttc ttagagtagt aacaatataa agttattgtg      660
agttttgca aacacagcaa acacaacgac ccatatagac attgatgtga aattgtctat      720
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1217

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gcaggtgaaa actagtgttc tgtactttat gcccattcat ctttaactgt aataataaaa  2460
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gaatattatc ttctggaata gggaatcaag ttatattatg taacccagga ttagaagatt  3180
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1218

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1222

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1223

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